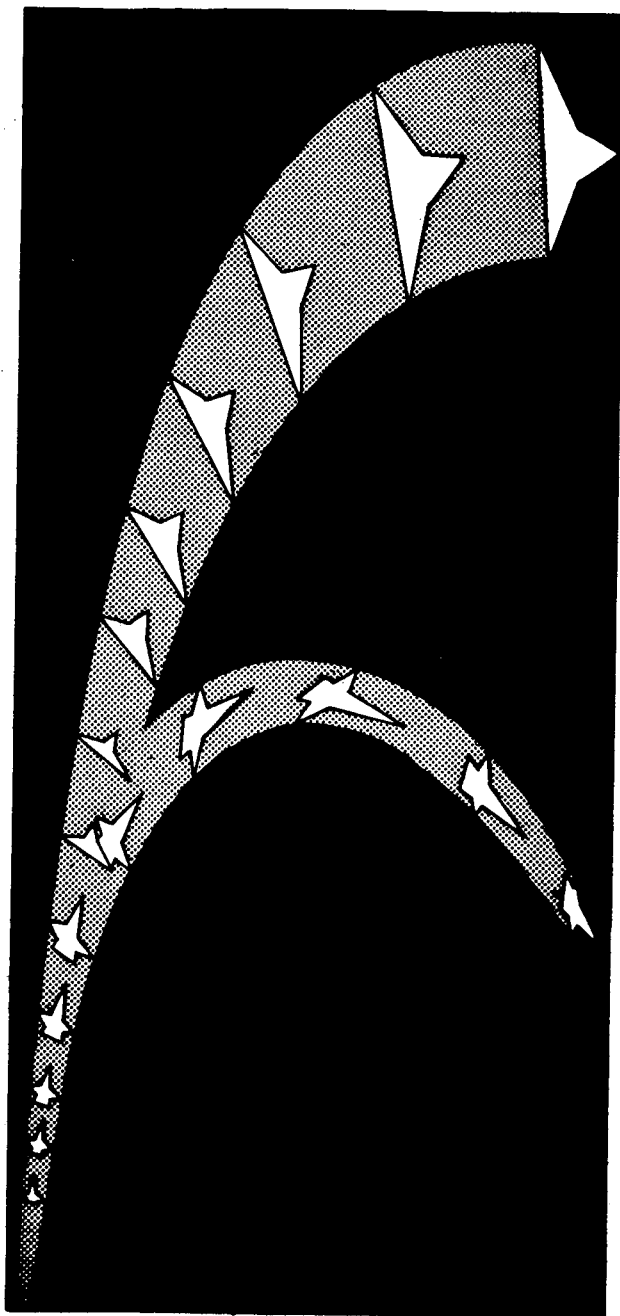


*2 Data Management Copy #5
Lee Guier*

DMS-DR-1259

CR-120,066

JANUARY 1973



SADSAC SPACE SHUTTLE
AEROTHERMODYNAMIC
DATA MANAGEMENT SYSTEM

CONTRACT NAS8-4016
MARSHALL SPACE FLIGHT CENTER



—SPACE SHUTTLE—

**PRELIMINARY PRESSURE
DISTRIBUTIONS ON THE 049
ORBITER, ORBITER IN PRESENCE
OF H/O TANK AND ORBITER
IN LAUNCH CONFIGURATION**

by

J. T. Hamilton, NSI

J. M. Rampy, NSI

J. F. Sims, MSFC

**MSFC 14 X 14-INCH
TRISONIC WIND TUNNEL**

**Marshall Space
Flight Center**

N A S A

This document should
be referenced as
NASA CR-120,066

NASA-CR-120066) SPACE SHUTTLE:
PRELIMINARY PRESSURE DISTRIBUTIONS ON THE
049 ORBITER, ORBITER IN PRESENCE OF H/O
TANK AND ORBITER IN LAUNCH (Chrysler
Corp.) - 208 P HC \$12.50

CSC 22B

63/31

Unclas
67093

N73e20890

SADSAC/SPACE SHUTTLE

WIND TUNNEL TEST DATA REPORT

CONFIGURATION: .004 SCALE 049 ORBITER AND LAUNCH CONFIGURATION

TEST PURPOSE: DETERMINE PRELIMINARY PRESSURE DISTRIBUTIONS ON THE 049 ORBITER,
ORBITER IN PRESENCE OF THE H/O TANK AND IN LAUNCH CONFIGURATION

TEST FACILITY: NASA/MSFC 14 X 14-INCH TRISONIC WIND TUNNEL

TESTING AGENCY: NASA/MSFC

TEST NO. & DATE: MSFC TWT 540, APRIL 28, 1972 - JUNE 9, 1972

FACILITY COORDINATOR: Jim Weaver

PROJECT ENGINEER(S): J. T. Hamilton, NSI
J. F. Sims, MSFC
J. M. Rampy, NSI

DATA MANAGEMENT SERVICES

LIAISON: V. W. Sparks DATA OPERATIONS: H. C. Zimmerle
V. W. Sparks H. C. Zimmerle

RELEASE APPROVAL: J. T. Blynn
FOR N. D. Kemp, Supervisor
Aero Thermo Data Group

CONTRACT NAS 8-4016

AMENDMENT 182

DRL 297 - 84a

This report has been prepared by Chrysler Corporation Space Division under a Data Management Contract to the NASA. Chrysler assumes no responsibility for the data presented herein other than its display characteristics.

COGNIZANT TEST PERSONNEL

FACILITY COORDINATOR: Mr. J. F. Weaver
Marshall Space Flight Center
Mail Stop S&E-AERO-AAE
Huntsville, Alabama 35801

Phone: (205) 453-2512

PROJECT ENGINEERS:

J. T. Hamilton
Northrop Services, Inc.
6025 Technology Drive
Huntsville, Alabama 35807

Phone: (205) 837-0580

J. F. Sims
Marshall Space Flight Center
Mail Stop S&E-AERO-AAE
Huntsville, Alabama 35801

Phone: (205) 453-2512

J. M. Rampy
Northrop Services, Inc.
6025 Technology Drive
Huntsville, Alabama 35807

Phone: (205) 837-0580

SADSAC LIAISON:

Mr. V. W. Sparks
Chrysler Huntsville Division
Dept. 5827
102 Wynn Drive
Huntsville, Alabama 35805

Phone: (205) 895-1560

SADSAC OPERATIONS:

Mr. Henry Zimmerle
Chrysler Corporation Space Division
Dept. 2780
P. O. Box 29200
New Orleans, Louisiana 70189

Phone: (504) 255-2327

TABLE OF CONTENTS

	Page
ABSTRACT	1
NOMENCLATURE	2
CONFIGURATIONS INVESTIGATED	4
TEST FACILITY DESCRIPTION	5
DATA REDUCTION	6
TABLES:	
I ORBITER WING AND FUSELAGE PRESSURE TAP LOCATIONS	7
II TEST CONDITIONS	8
III DATA SET COLLATIONS	9
IV DIMENSIONAL DATA	10
V INDEX OF MODEL FIGURES	16
VI INDEX OF DATA FIGURES	17
FIGURES	
MODEL	18
DATA	23

PRELIMINARY PRESSURE DISTRIBUTIONS ON THE 049 ORBITER,
ORBITER IN PRESENCE OF H/O TANK AND
ORBITER IN LAUNCH CONFIGURATION

By J. T. Hamilton, J. F. Sims and J. M. Rappy

ABSTRACT

The 049 orbiter and launch configurations were tested in the MSFC Trisonic Wind Tunnel to obtain preliminary loads information on the orbiter alone, orbiter in presence of the H/O tank and orbiter in the full launch configuration. The orbiter consisted of the baseline 049 double-delta wing, twin vertical stabilizers, seven degrees of dihedral and included abort rockets. The orbiter was mounted at -1.5° of incidence (fuselage centerline relative to H/O tank centerline) in the launch configuration. The SRM's were mounted at a radial location of 21 degrees from the horizontal centerline of the H/O tank.

The test was conducted in the NASA/MSFC 14 x 14 inch Trisonic Wind Tunnel over a Mach Number range of 0.6 to 4.96. Nominal angle of attack and angle of sideslip ranges of -6 to $+6$ degrees were tested. In addition, the orbiter alone was tested over an angle of attack range of -6 to $+26$ degrees.

NOMENCLATURE General

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

A _b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}$ _{REF}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

ADDITIONS TO NOMENCLATURE
FOR
MSFC TWT 540

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
c	C	local chord length.
x	X	pressure tap location in the longitudinal direction measured from the nose and from the wing leading edge.
y	Y	pressure tap location in the lateral direction measured from the fuselage centerline.
θ_s	SANGLE	radial positions of the SRM boosters relative to HO tank, measured from tank horizontal centerline.
i_o	ORBINC	incidence angle between the orbiter and the HO tank.
x/c	X/C	local chordwise position/local chord length.
$\frac{x}{l_B}$	X/L	longitudinal position/body length.
$y/(b_{ref}/2)$	Y/B	local spanwise position/wing semi-span.

CONFIGURATIONS INVESTIGATED

Test results reported herein were obtained on the 0.004 scale 049 orbiter and launch configuration (Figures 1-5). Each of the model components tested is listed below. The dataset collation sheets show the combinations (Table III). Dimensional data for the components are given in Table IV.

<u>MODEL COMPONENT SYMBOL</u>	<u>DESCRIPTION</u>
O1	Baseline 049 Orbiter (B1W4V11)
R1	Abort rockets
T1	346-Inch Diameter H/O Tank with 22° nosecone
S1	156-Inch Diameter Solid Rocket with 17° Nosecone

TEST FACILITY DESCRIPTION

The Marshall Space Flight Center 14" x 14" Trisonic Wind Tunnel is an intermittent blowdown tunnel which operates by high pressure air flowing from storage to either vacuum or atmospheric conditions. A Mach number range from .2 to 5.85 is covered by utilizing two interchangeable test sections. The transonic section permits testing at Mach 0.20 through 2.50, and the supersonic section permits testing at Mach 2.74 through 5.85. Mach numbers between .2 and .9 are obtained by using a controllable diffuser. The range from .95 to 1.3 is achieved through the use of plenum suction and perforated walls. Mach numbers of 1.44, 1.93 and 2.50 are produced by interchangeable sets of fixed contour nozzle blocks. Above Mach 2.50 a set of fixed contour nozzle blocks are tilted and translated automatically to produce any desired Mach number in .25 increments.

Air is supplied to a 6000 cubic foot storage tank at approximately -40°F dew point and 500 psi. The compressor is a three-stage reciprocating unit driven by a 1500 hp motor.

The tunnel flow is established and controlled with a servo actuated gate valve. The controlled air flows through the valve diffuser into the stilling chamber and heat exchanger where the air temperature can be controlled from ambient to approximately 180°F. The air then passes through the test section which contains the nozzle blocks and test region.

Downstream of the test section is a hydraulically controlled pitch sector that provides a total angle of attack range of 20° ($\pm 10^\circ$). Sting offsets are available for obtaining various maximum angles of attack up to 90°.

DATA REDUCTION

All static pressures were reduced to the form of pressure coefficients by referencing them to freestream static pressure and dividing by freestream dynamic pressure:

$$CP = \frac{\text{Local Static Pressure} - \text{Freestream Static Pressure}}{\text{Freestream Dynamic Pressure}}$$

$$CP = (P_l - P_\infty)/q$$

Table 1 lists positions of the individual surface pressure taps. The positions are non-dimensionalized by wing semi-span in the lateral direction and by body length and by local chord length in the longitudinal direction.

Table 1
ORBITER SURFACE PRESSURE TAP LOCATIONS

Tap No.		X/L_{local}	$Y/.5b_{\text{ref}}$	L_{local} (in.)	$.5b_{\text{ref}}$ (in.)
Upper	Lower				
—	11	.046	0.0	5.26	2.23
—	12	.092	↓	↓	↓
—	13	.152	↓	↓	↓
—	14	.228	↓	↓	↓
—	15	.304	↓	↓	↓
—	16	.456	↓	↓	↓
—	17	.947	↓	↓	↓
6	18	.144	.282	3.306	↓
7	19	.300	↓	↓	↓
8	20	.470	↓	↓	↓
9	21	.642	↓	↓	↓
10	22	.814	↓	↓	↓
3	23	.229	.553	1.641	↓
4	24	.515	↓	↓	↓
5	25	.729	↓	↓	↓
1	26	.216	.842	.962	↓
2	27	.721	↓	↓	↓

TEST CONDITIONS
TEST TWT-540

[illegible]

BALANCE UTILIZED: PRESSURE TEST

CAPACITY:

NF _____
SF _____
AF _____
PM _____
YM _____
RM _____

ACCURACY :

[illegible]

**COEFFICIENT
TOLERANCE:**

[illegible]

COMMENTS :

TABLE III

TEST MSFC 1WT 540 DATA SET/RUN NUMBER

COLLATION SUMMARY

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES		NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)															
		a	B	C	D		0.6	0.8	0.9	1.1	1.2	1.96	2.74	4.24								
R67001	T101	A	0	-1.5	-	4.2	10	16	20	26	30	40	50	430								
002		B	0			6	100	100	90	80	60	60	70	450								
003		0	C			4.2	100	100	90	80	60	60	70	450								
004		0	D			6	300	290	280	270	260	440	570	580								
005	T101R1	B	0			24	302	292	282	272	262	442	572	582								
006		0	D			24	110	120	130	140	150	470	520	510								
007	T101R1S1	A	0		210	4.2	210	220	230	240	250	450	560	550								
008		B	0			6	200	190	180	170	160	460	530	540								
009		0	C			4.2	206	196	186	176	166	466	532	542								
010		0	D			6	310	320	330	340	350	420	530	540								
011	C1	A	0	-	-	4.2	316	326	336	346	356	426	532	542								
012		B	0			6	400	390	380	360	370	410	610	620								
013		0	C			4.2	406	396	386	366	376	416	612	622								
014		0	D			6							640	630								
015		E	0			3							650	632								
016		F	0			3							652	660								

TEST RUN NUMBERS

COEFFICIENTS:

a or B

SCHEDULES

$$\alpha A = -6^\circ \text{ TO } 6^\circ \quad \Delta \alpha = 20^\circ \quad BC = -6^\circ \text{ TO } 6^\circ \quad \Delta B = 2^\circ \quad \alpha E = 12^\circ \text{ TO } 26^\circ$$

$$\alpha B = -6^\circ \text{ TO } 6^\circ \quad \Delta \alpha = 6^\circ \quad BD = -6^\circ \text{ TO } 6^\circ \quad \Delta B = 6^\circ \quad \alpha F = 12^\circ \text{ TO } 22^\circ$$

NASA-MSFC-MAF

TAPN, X/L, CP, IDPVAR(1), IDPVAR(2), NDV

TABLE IV
DIMENSIONAL DATA

MODEL COMPONENT: BODY - B1

GENERAL DESCRIPTION: Basic orbiter body including canopy and manipulator arm housing.

DRAWING NUMBER _____

<u>DIMENSION:</u>	<u>THEORETICAL</u>	
	<u>FULL SCALE</u>	<u>MODEL SCALE</u> (.004)
Length	<u>1315 in.</u>	<u>5.260 in.</u>
Max Width (P. L. Bay/Base)	<u>208/220 in.</u>	<u>.832/880 in.</u>
Max Depth	<u>235 in</u>	<u>.940 in.</u>
Fineness Ratio	<u>6.32</u>	<u>6.32</u>
Area		
Max Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u>6250 ft.²</u>	<u>14.40 in.²</u>
Base Projected	<u>317.7 ft.²</u>	<u>.732 in.²</u>

TABLE IV (CONTINUED)

MODEL COMPONENT: W4GENERAL DESCRIPTION: Double Delta Wing

DRAWING NUMBER: _____

DIMENSIONS:THEORETICALFULL-SCALEMODEL SCALE
(.004)TOTAL DATA

Area		
Planform Basic/Glove	3420/1187 ft. ²	7.880/2.735 in. ²
Wetted Basic/Glove	4925/819 ft. ²	11.35/1.89 in. ²
Span (equivalent)	1115 in.	4.460 in.
Aspect Ratio Basic/Flove	2.5/1.9	2.5/1.9
Rate of Taper	-	-
Taper Ratio Basic/Glove	0.20/0.10	0.20/0.10
Dihedral Angle, degrees	7°	7°
Incidence Angle, degrees	1.5°	1.5°
Aerodynamic Twist, degrees	-	-
Toe-In Angle	-	-
Cant Angle	-	-
Sweep Back Angles, degrees		
Leading Edge Basic/Glove	35°/75°	35°/75°
Trailing Edge	-19.6°	-19.6°
0.25 Element Line	-	-
Chords:		
Root (Wing Sta. 0.0) B/G	736/720 in.	2.944/2.880 in.
Tip, (equivalent)	147 in.	0.588 in.
MAC Basic	507 in.	2.028 in.
Fus. Sta. of .25 MAC	-	-
W.P. of .25 MAC	-	-
B.L. of .25 MAC	217 in.	0.868 in.
Airfoil Section		
Root	0008-64	0008-64
Tip	0008-64	0008-64

EXPOSED DATA

Area Basic/Glove	1218.95/16255 ft. ²	2.806/0.374 in. ²
Span, (equivalent)	453.5 in.	1.814 in.
Aspect Ratio	-	-
Taper Ratio	-	-
Chords		
Root Basic/Glove	626.87/404.74 in.	2.507/1.619 in.
Tip	147 in.	0.588 in.
MAC	-	-
Fus. Sta. of .25 MAC	-	-
W.P. of .25 MAC	-	-
B.L. of .25 MAC	-	-

TABLE IV (CONTINUED)

MODEL COMPONENT: V11GENERAL DESCRIPTION: Twin vertical tails (Dimensions are for a single panel.)

DRAWING NUMBER: _____

THEORETICALDIMENSIONS:FULL-SCALEMODEL SCALE(.004)TOTAL DATA

Area	-	-
Planform	-	-
Wetted	525 ft. ²	1.21 in. ²
Span (equivalent)	-	-
Aspect Ratio	-	-
Rate of Taper	-	-
Taper Ratio	-	-
Dihedral Angle, degrees	75°	75°
Incidence Angle, degrees	0°	0°
Aerodynamic Twist, degrees	0°	0°
Toe-In Angle	0°	0°
Cant Angle	15°	15°
Sweep Back Angles, degrees	-	-
Leading Edge	45°	45°
Trailing Edge	20°	20°
0.25 Element Line	-	-
Chords:	-	-
Root (Wing Sta. 0.0)	-	-
Tip, (equivalent)	-	-
MAC	-	-
Fus. Sta. of .25 MAC	-	-
W.P. of .25 MAC	-	-
B.L. of .25 MAC	-	-
Airfoil Section	-	-
Root	5° wedge (60/40)	5° wedge (60/40)
Tip	5° wedge (60/40)	5° wedge (60/40)

EXPOSED DATA

Area	250 ft. ²	250 ft. ²
Span, (equivalent)	240 in.	240 in.
Aspect Ratio	1.6	1.6
Taper Ratio	0.35	0.35
Chords	-	-
Root	230 in.	0.920 in.
Tip	80 in.	0.320 in.
MAC	-	-
Fus. Sta. of .25 MAC	-	-
W.P. of .25 MAC	-	-
B.L. of .25 MAC	-	-

TABLE IV (CONTINUED)

MODEL COMPONENT: BODY - R1

GENERAL DESCRIPTION: Abort SRM pods. Cone cylinder with a 22.5° half
angle nose cone. Rocket nozzle is a 22.5° cone. Nose radius is .034 in.
model scale and 8.5 in. full scale.

DRAWING NUMBER _____

<u>DIMENSION:</u>	<u>THEORETICAL</u>	
	<u>FULL SCALE</u>	<u>MODEL SCALE</u> (.004)
Length	342 in.	1.368 in.
Max Width	62 in.	.248 in.
Max Depth	-	-
Fineness Ratio	5.52	5.52
Area		
Max Cross-Sectional	22.3 ft. ²	.0515 in. ²
Planform		
Wetted		
Base		

MODEL COMPONENT: BODY - T₁

GENERAL DESCRIPTION: Hydrogen-Oxygen (HO) Tank With 22° Nosecone.

DRAWING NUMBER _____

DIMENSION:

FULL SCALE

MODEL SCALE

Length

1876.75 in.

7.507 in.

Max Width

346 in.

1.384 in.

Max Depth

346 in.

1.384 in.

Fineness Ratio

5.42

5.42

Area

Max Cross-Sectional

652.95 ft.²

1.504 in.²

Planform

-

-

Wetted

-

-

Base

652.95 ft.²

1.504 in.²

TABLE IV (CONCLUDED)

MODEL COMPONENT: BODY - S1

GENERAL DESCRIPTION: Solid Rocket Motor

DRAWING NUMBER _____

<u>DIMENSION:</u>	<u>THEORETICAL</u>	
	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1743 in.</u>	<u>6.972 in.</u>
Max Width	<u>156 in.</u>	<u>0.624 in.</u>
Max Depth	<u>156 in.</u>	<u>0.624 in.</u>
Fineness Ratio	<u>11.17</u>	<u>11.17</u>
Area		
Max Cross-Sectional	<u>132.5 ft.²</u>	<u>0.306 in.²</u>
Planform	<u>-</u>	<u>-</u>
Wetted	<u>-</u>	<u>-</u>
Base	<u>132.5 ft.²</u>	<u>0.306 in.²</u>

TABLE V.
INDEX OF MODEL FIGURES

FIGURE	DESCRIPTION	PAGE
1	Baseline Launch Vehicle	18
2	General Arrangement, Space Shuttle 049 Orbiter	19
3	156-Inch Solid Rocket Motor	20
4	Static Pressure Tap Positions	21
5	Typical MSFC 14 x 14 Inch Tunnel Installation for Pressure Testing of 049 Orbiter in Launch Configuration	22

TABLE VI. INDEX OF DATA FIGURES

TITLE	PARAMETER VALUES		PLOT TYPE	CONDITIONS VARYING	PAGE
	α	θ			
T101 Fuselage Pressures	-1.5	0	CP vs. X/L	α , Mn	1-14
	-1.5	0	CP vs. X/L	β , Mn	15-28
T101 R1 Fuselage Pressures	-1.5	0	CP vs. X/L	α , Mn	29-36
	-1.5	0	CP vs. X/L	β , Mn	37-44
T101 R1S1 Fuselage Pressures	-1.5	21°	CP vs. X/L	α , Mn	45-58
	-1.5	21°	CP vs. X/L	β , Mn	59-72
O1 Fuselage Pressures	-	-	CP vs. X/L	α , Mn	73-86
	-	-	CP vs. X/L	β , Mn	87-100
T101 Upper/Lower Wing Pressures	-	-	CP vs. X/L	α , Mn	101-102
	-1.5	-	CP vs. X/C	α , Y/B, Mn	103-116
T101 R1 Upper/Lower Wing Pressures	-1.5	-	CP vs. X/C	β , Y/B, Mn	117-130
	-1.5	-	CP vs. X/C	α , Y/B, Mn	131-138
T101 R1S1 Upper/Lower Wing Pressures	-1.5	-	CP vs. X/C	β , Y/B, Mn	139-146
	-1.5	21°	CP vs. X/C	α , Y/B, Mn	147-160
O1 Upper/Lower Wing Pressures	-	-	CP vs. X/C	β , Y/B, Mn	161-174
	-	-	CP vs. X/C	α , Y/B, Mn	175-188
	-	-	CP vs. X/C	β , Y/B, Mn	189-202
	-	-	CP vs. X/C	α , Y/B, Mn	203-204

Note: All dimensions in inches (model scale)

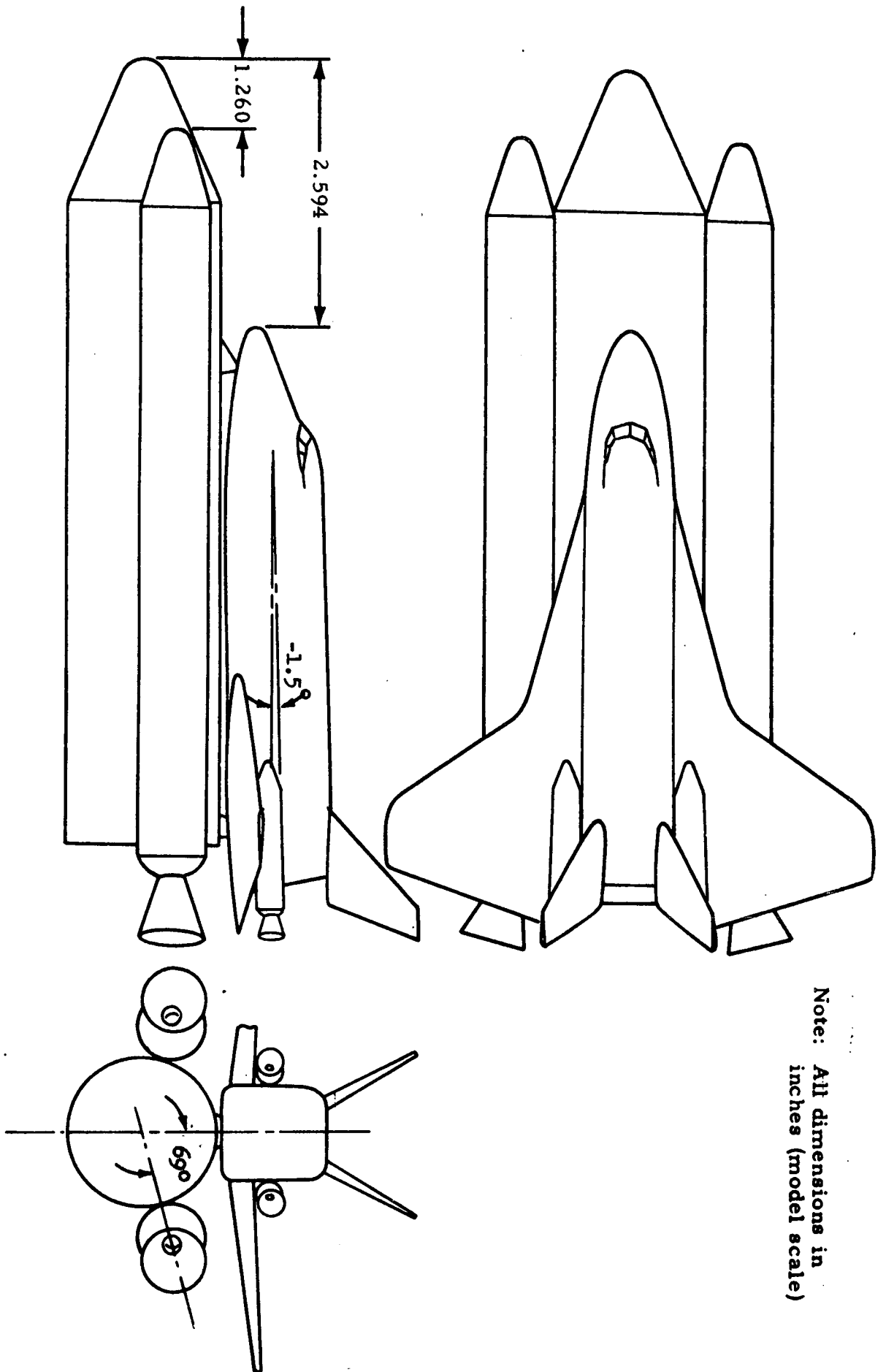


Fig. 1 - Baseline Launch Vehicle

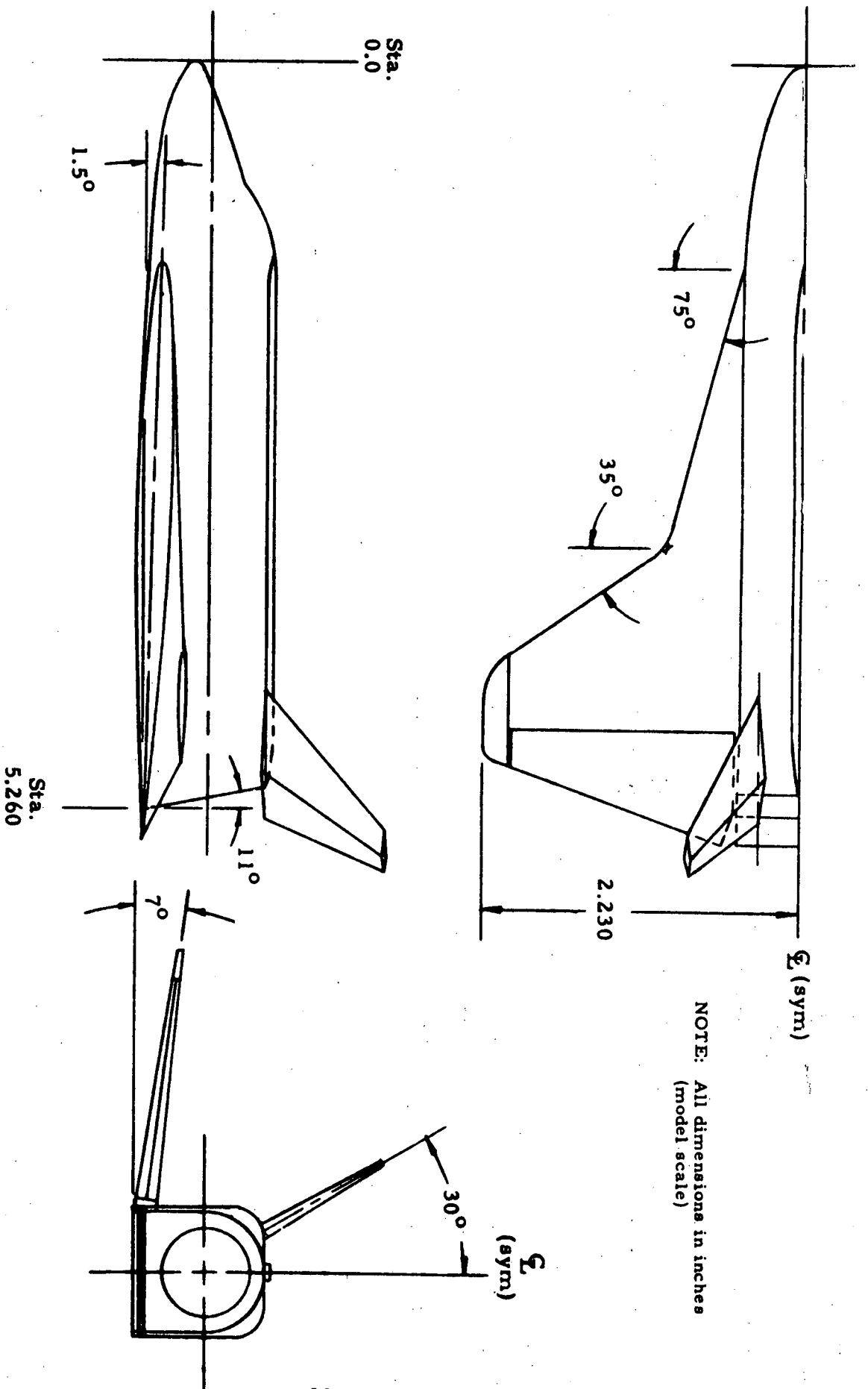


Fig. 2- General Arrangement, Space Shuttle 049 Orbiter

Note: All dimensions in inches (model scale)

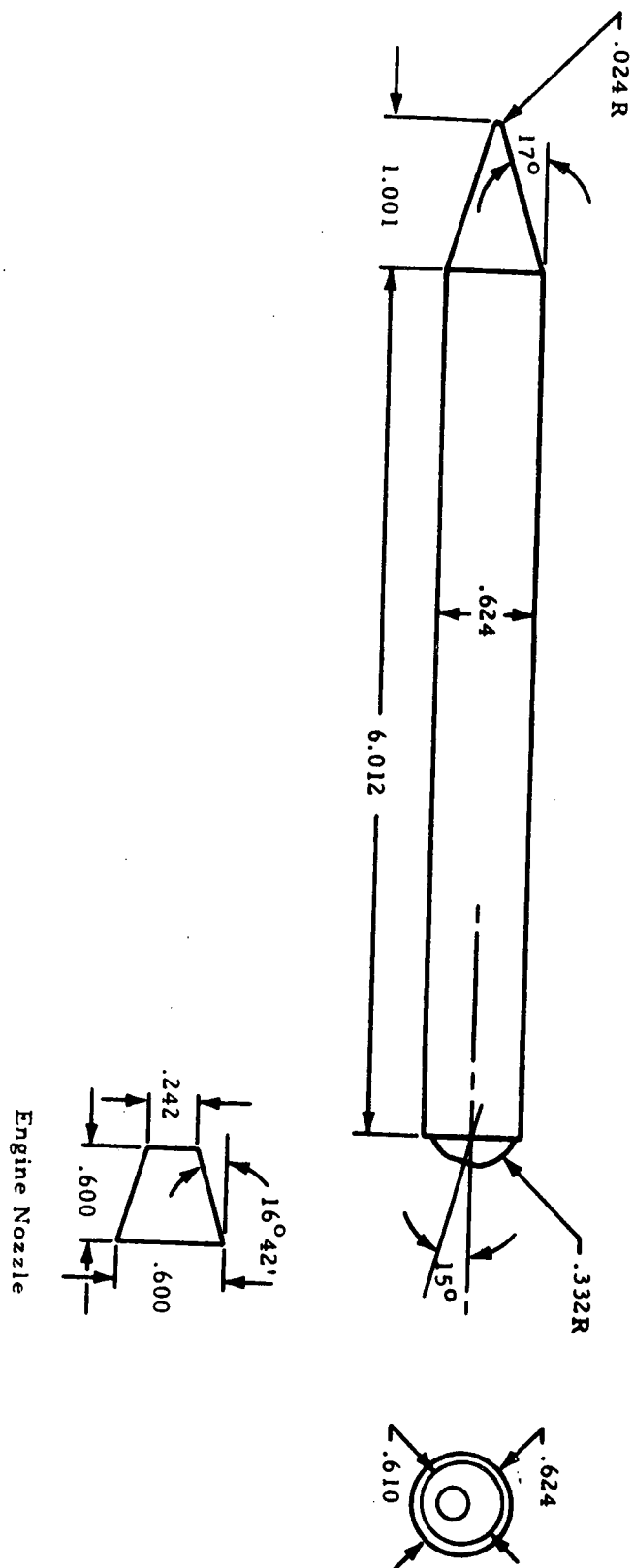


Fig. 3 - 156-Inch Solid Rocket Motor

Numbers in parenthesis are on the lower surface

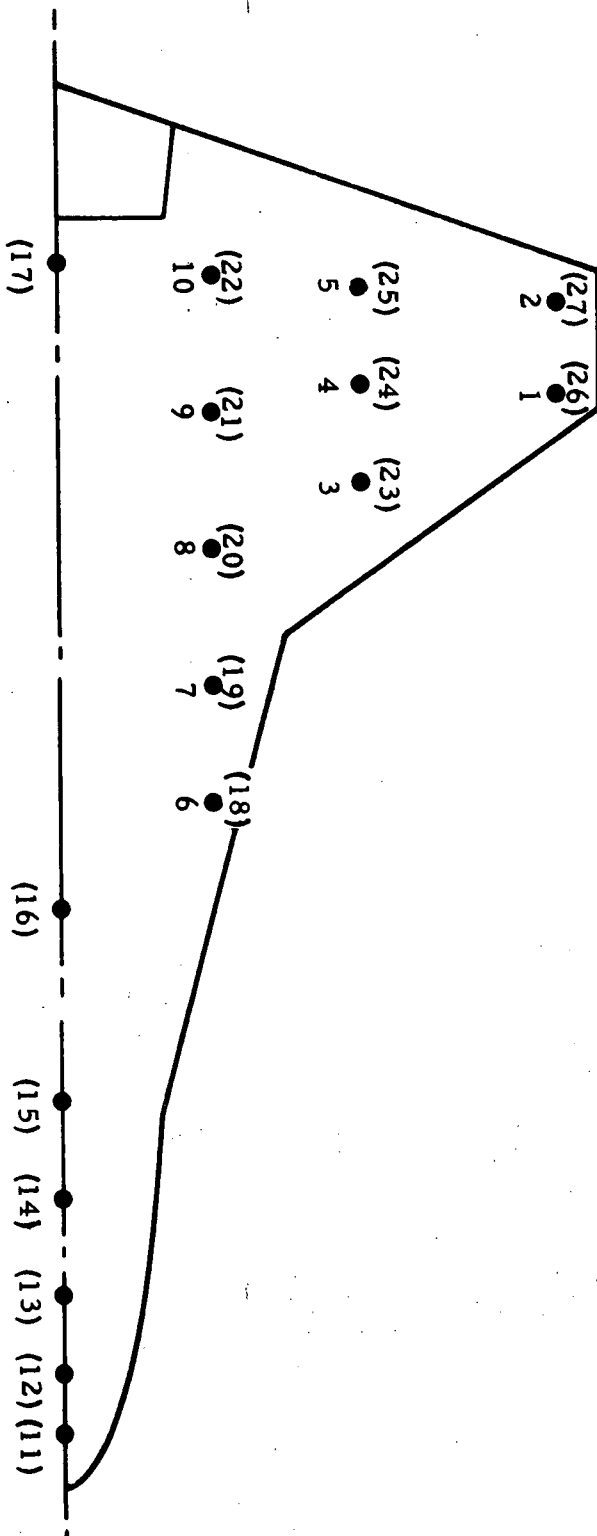
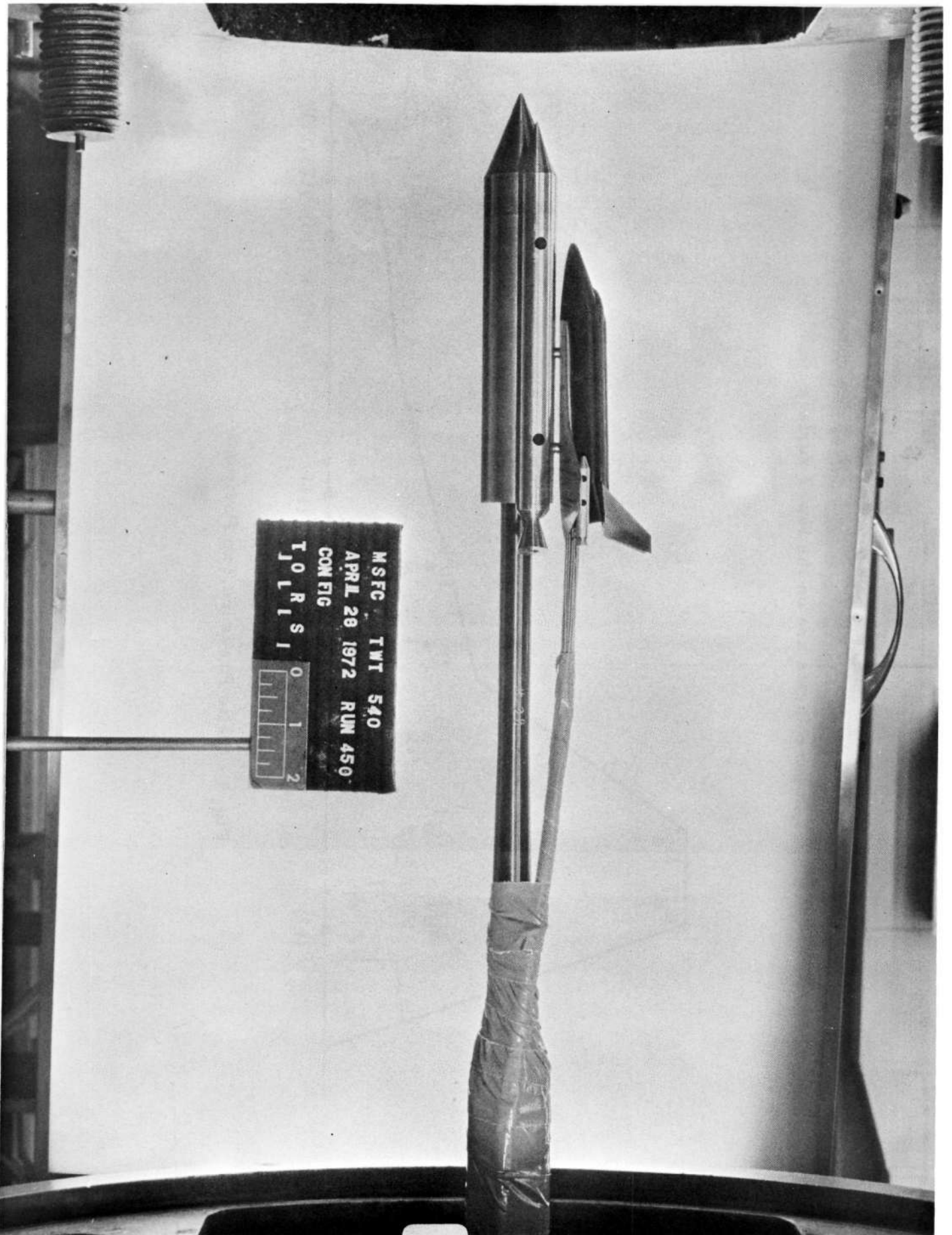


Fig. 4 - Static Pressure Tap Positions

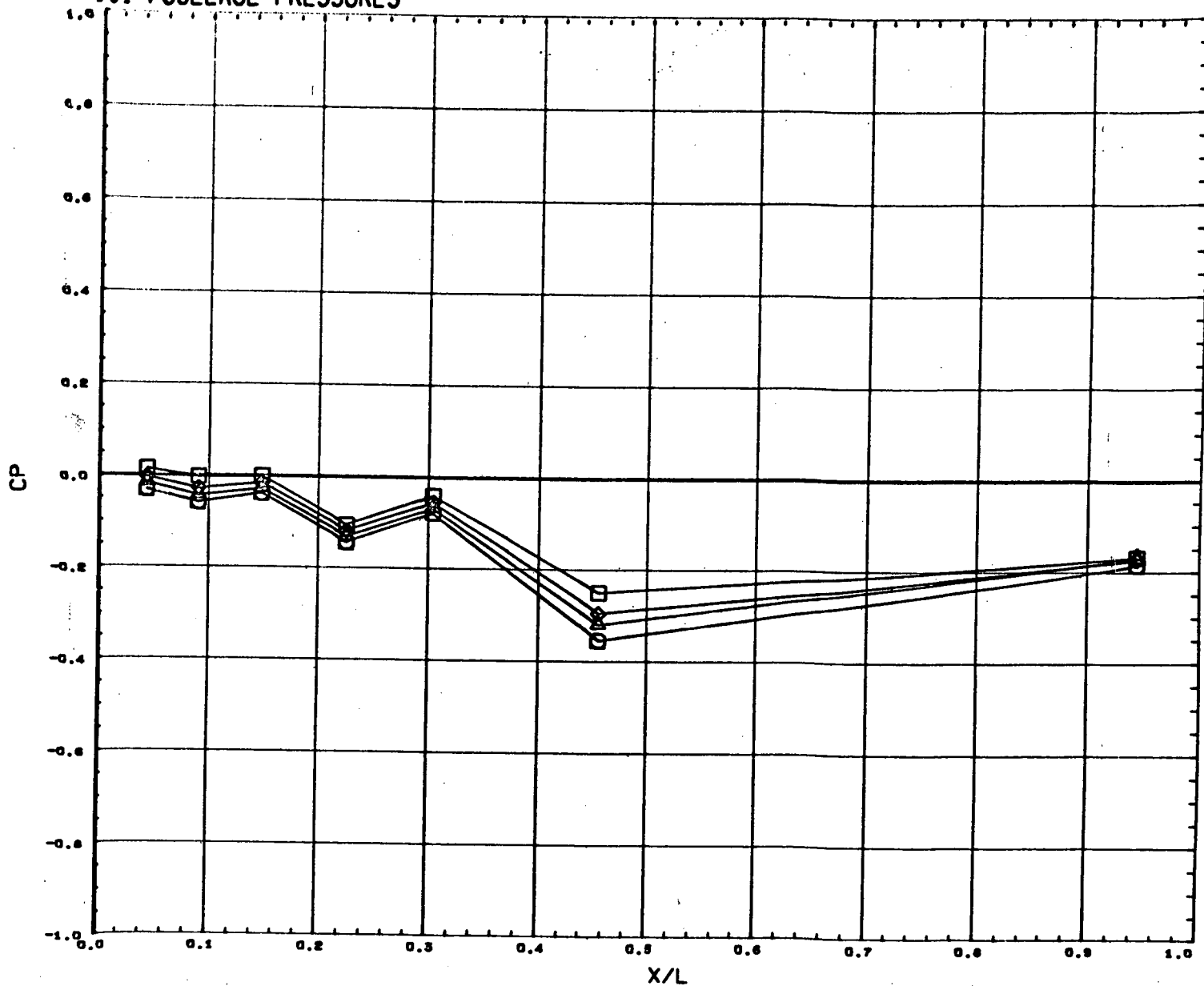
Figure 5. Typical MSFC 14x14-Inch Tunnel Installation for Pressure Testing of O49 Orbiter in the Launch Configuration



DATA FIGURES

Tabulations of the plotted data and corresponding source data are available from SADSAC Operations.

T101 FUSELAGE PRESSURES



SYMBOL ALPHA THETA MACH
 ○ - 6.000 0.000 0.602
 △ - 4.000
 ◇ - 2.000
 □ - 0.000

PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500

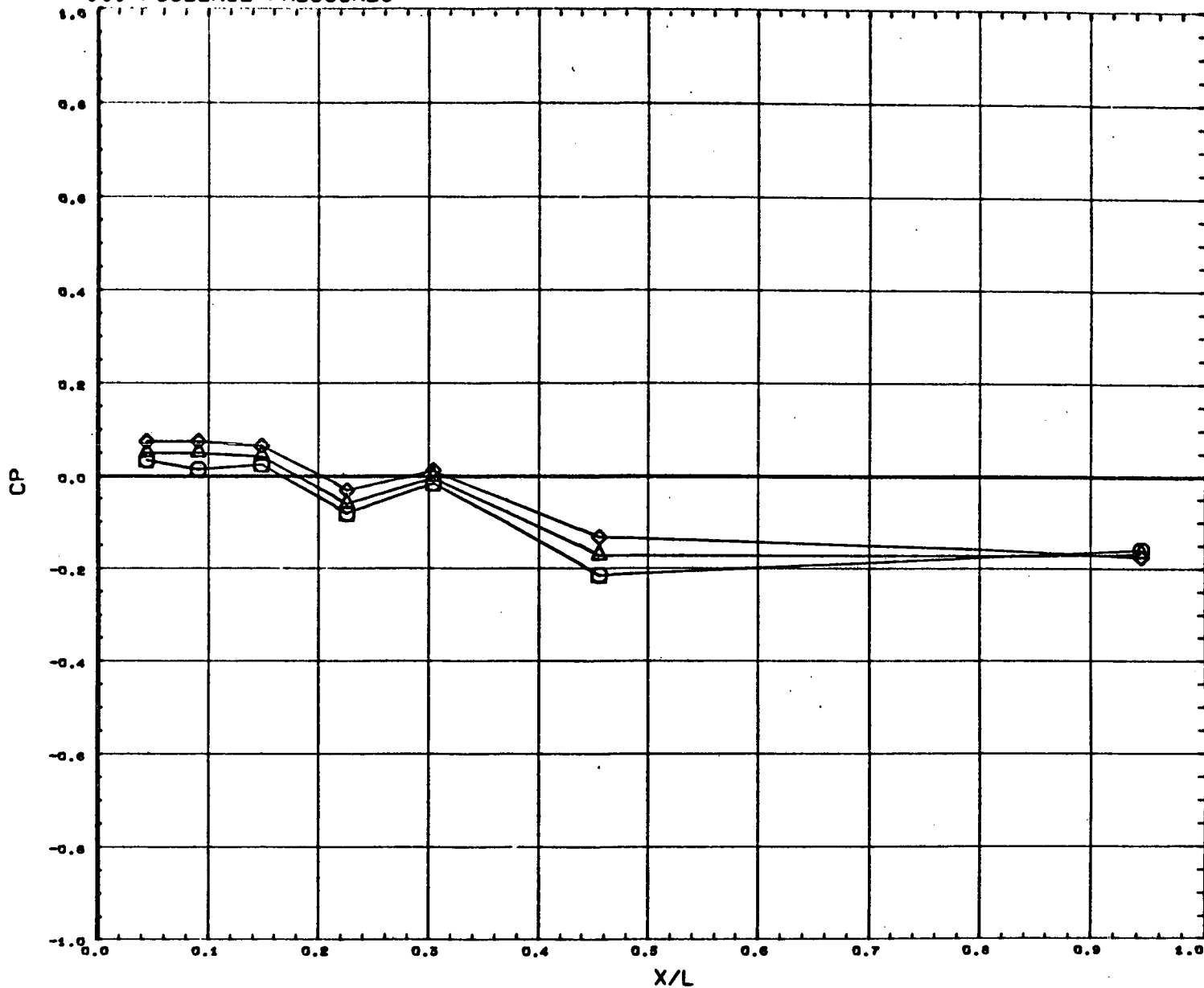
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 1

C

T101 FUSELAGE PRESSURES



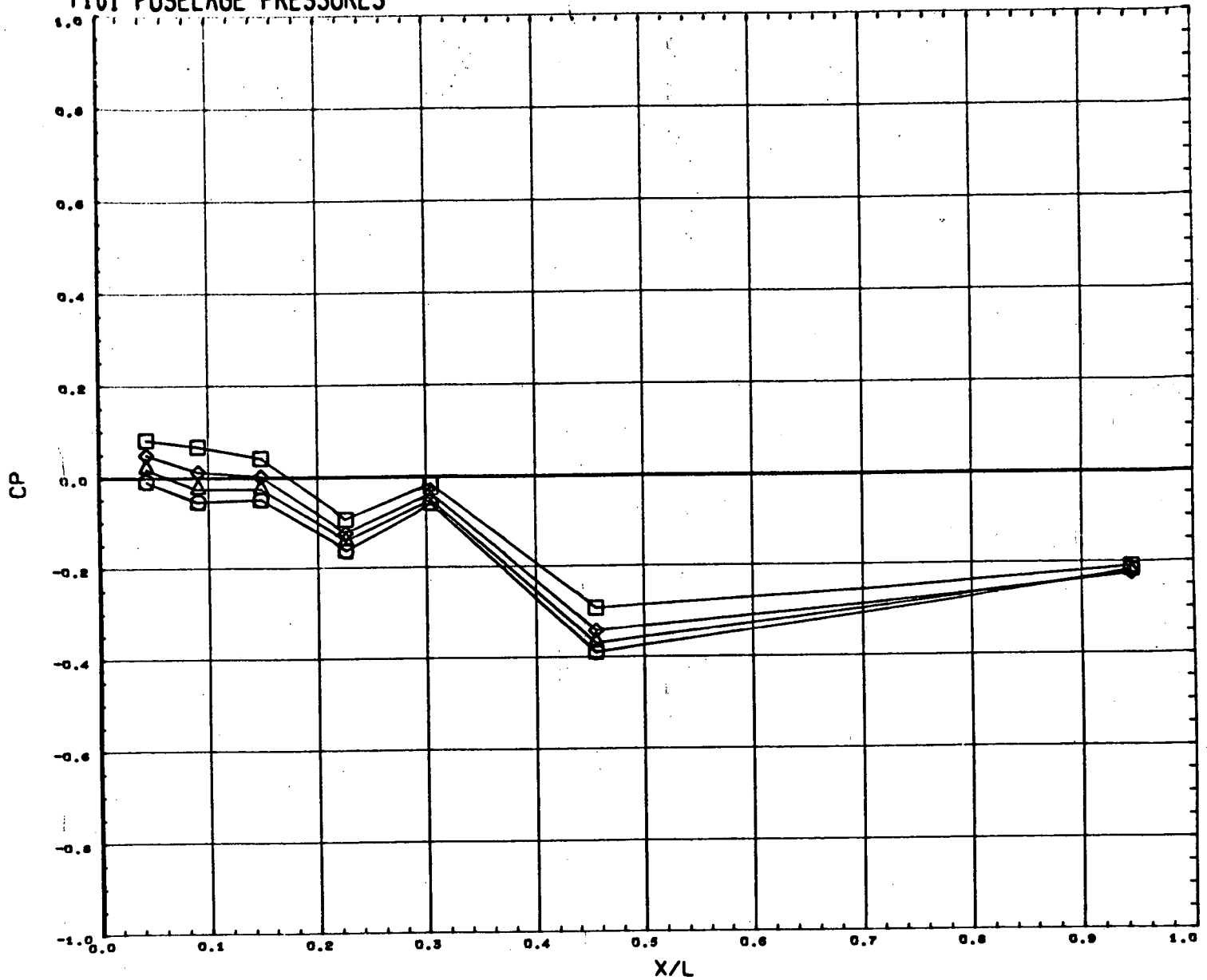
SYMBOL	ALPHA	THETA	MACH	BETA	PARAMETRIC VALUES
○	2.000	0.000	0.602	0.000	ORGINC - 1.500
△	4.000				
◇	6.000				

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 2

T101 FUSELAGE PRESSURES



SYMBOL ALPHA THETA MACH
 O - 6.000 0.000 0.803
 Δ - 4.000
 ◇ - 2.000
 □ - 0.000

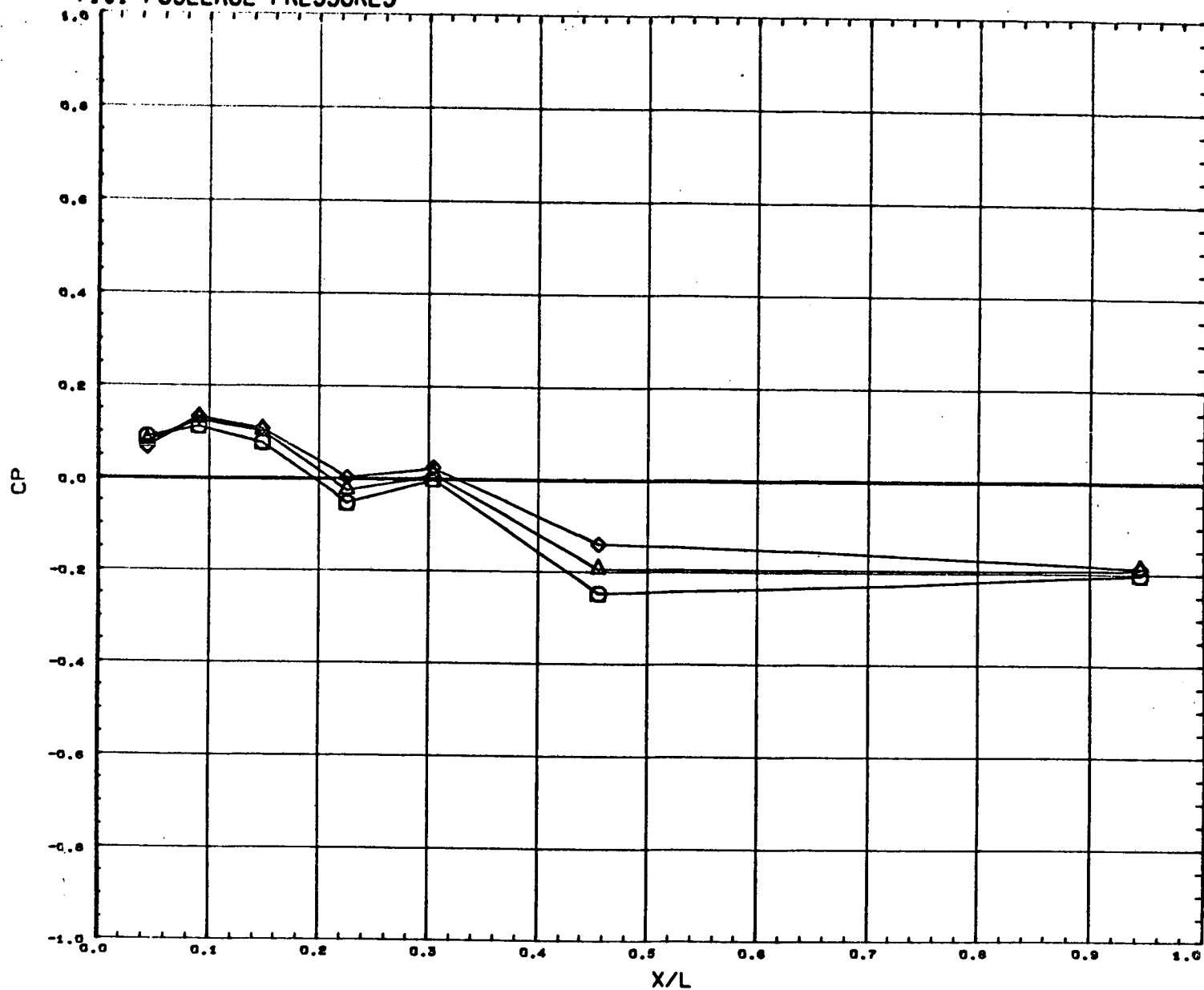
PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 3

T101 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	2.000	0.000	0.800
△	4.000		
◇	6.000		

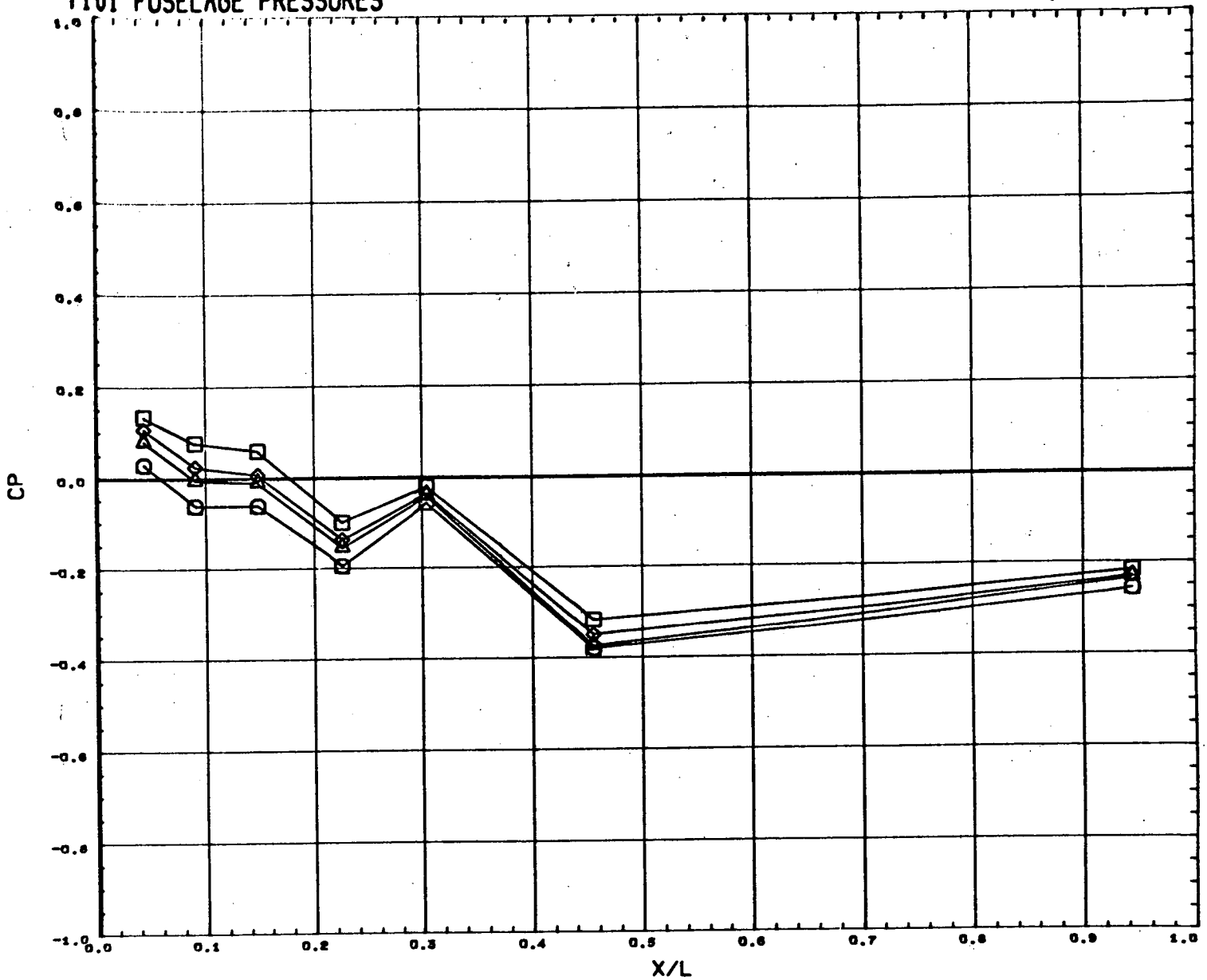
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 4

T101 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	- 6.000	0.000	0.904
△	- 4.000		
◇	- 2.000		
□	0.000		

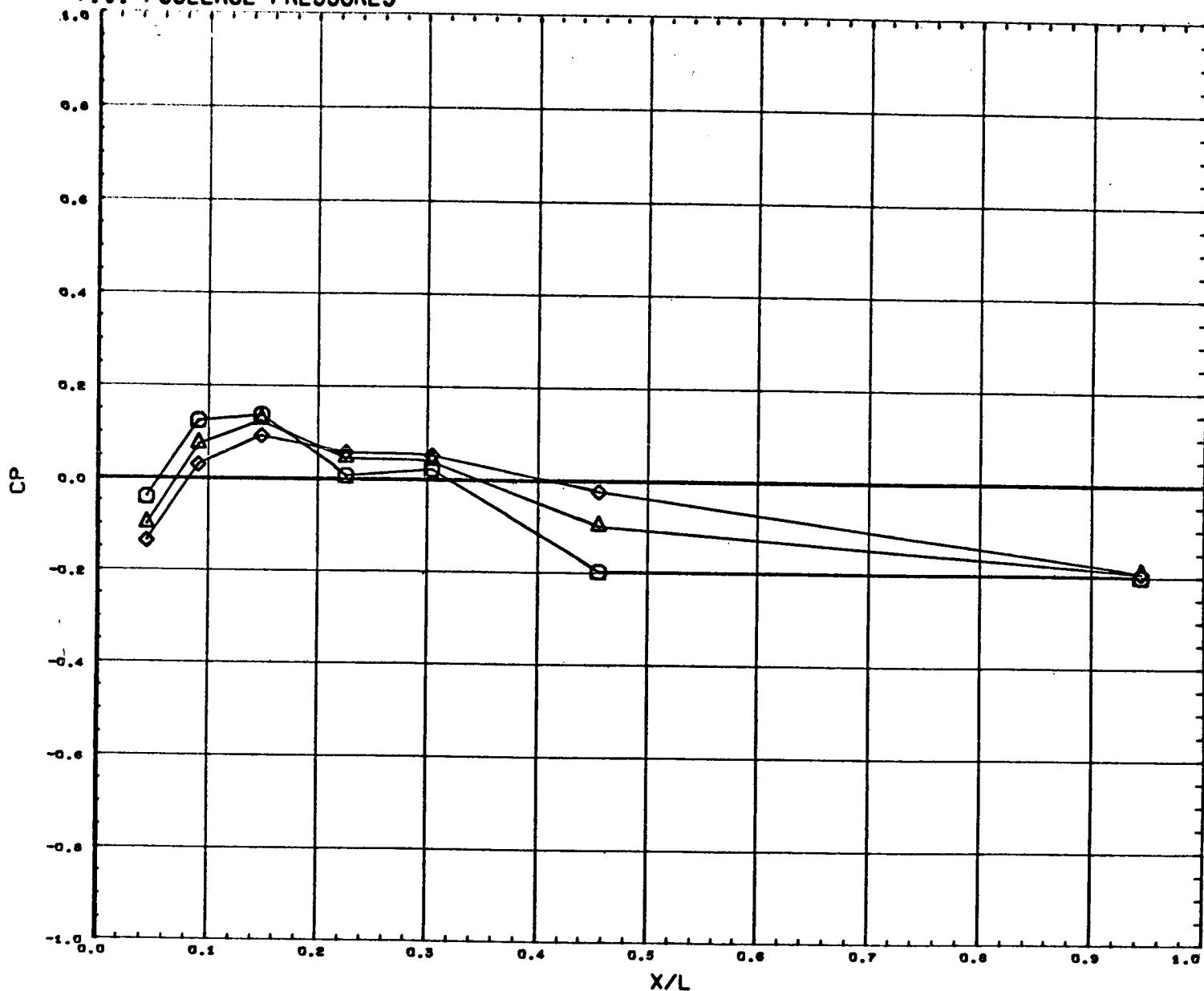
PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 5

T101 FUSELAGE PRESSURES



SYMBOL
 ○
 △
 ◇

ALPHA	THETA	MACH
2.000	0.000	0.904
4.000		
6.000		

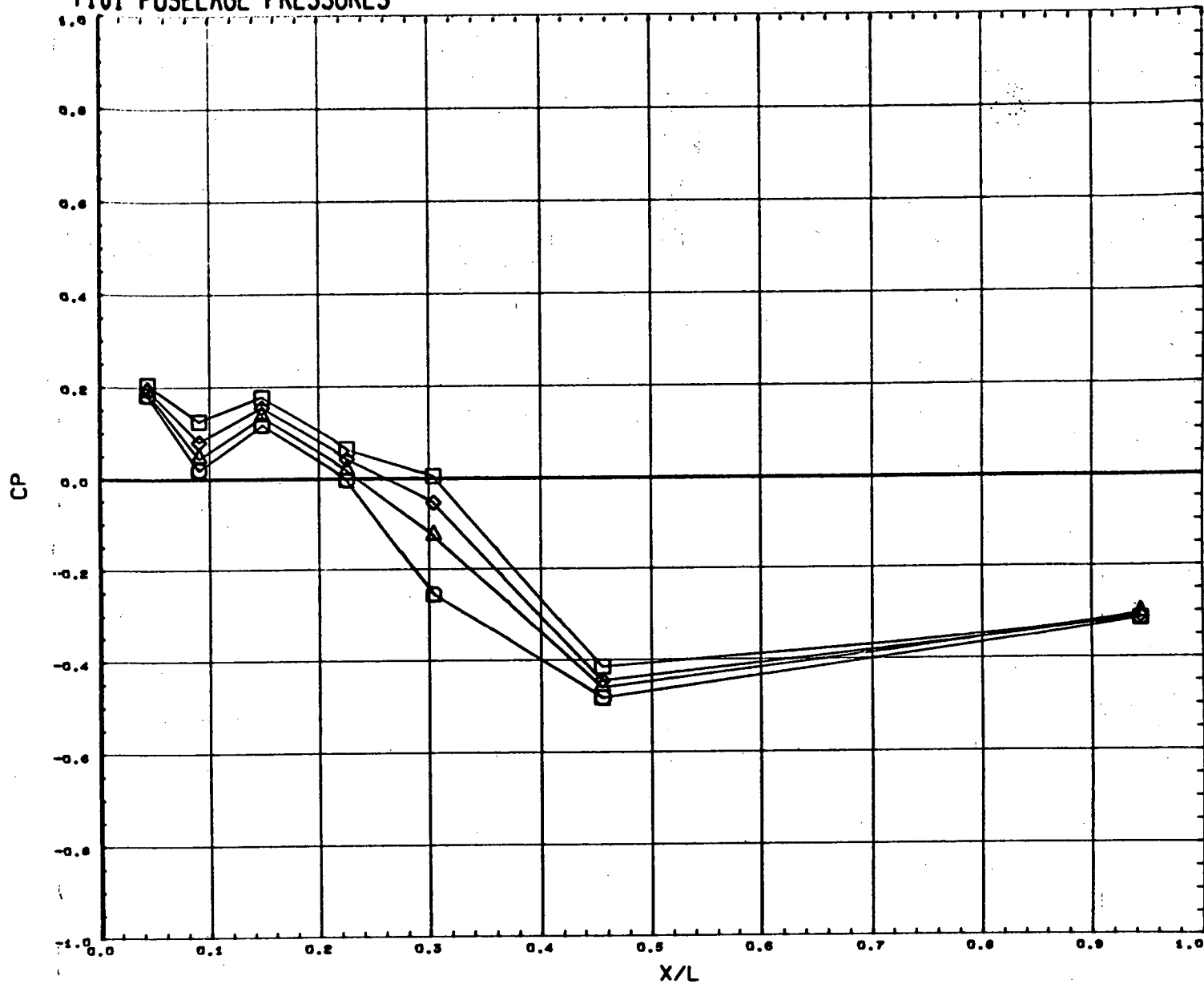
PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.900

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 6

T101 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	1.105
△	4.000		
◇	2.000		
□	0.000		

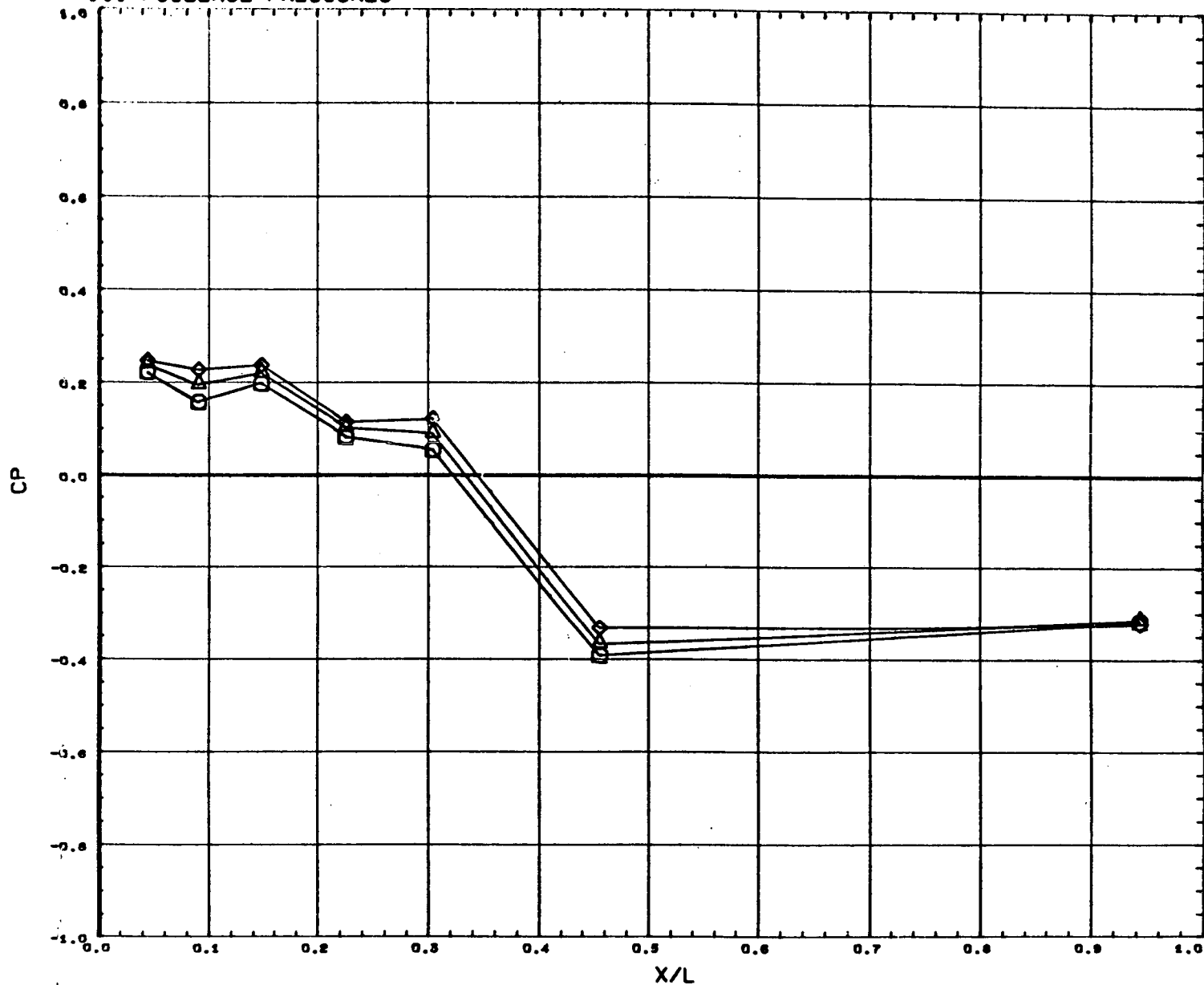
PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 7

T101 FUSELAGE PRESSURES



SYMBOL
 ○ ALPHA 2.000
 △ ALPHA 4.000
 ◇ ALPHA 6.000

THETA 0.000
 MACH 1.105

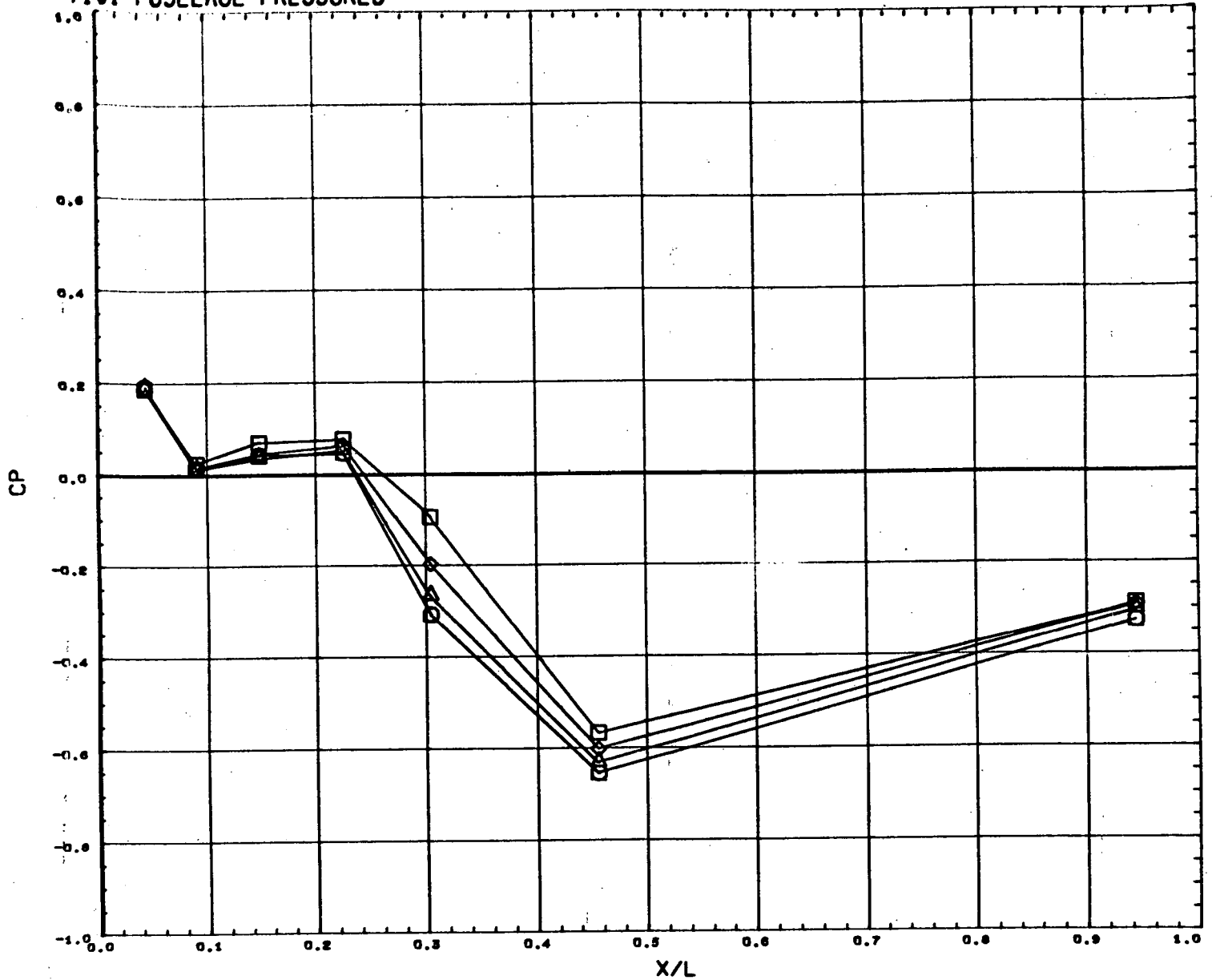
PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 8

T101 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	1.195
△	4.000		
◇	2.000		
□	0.000		

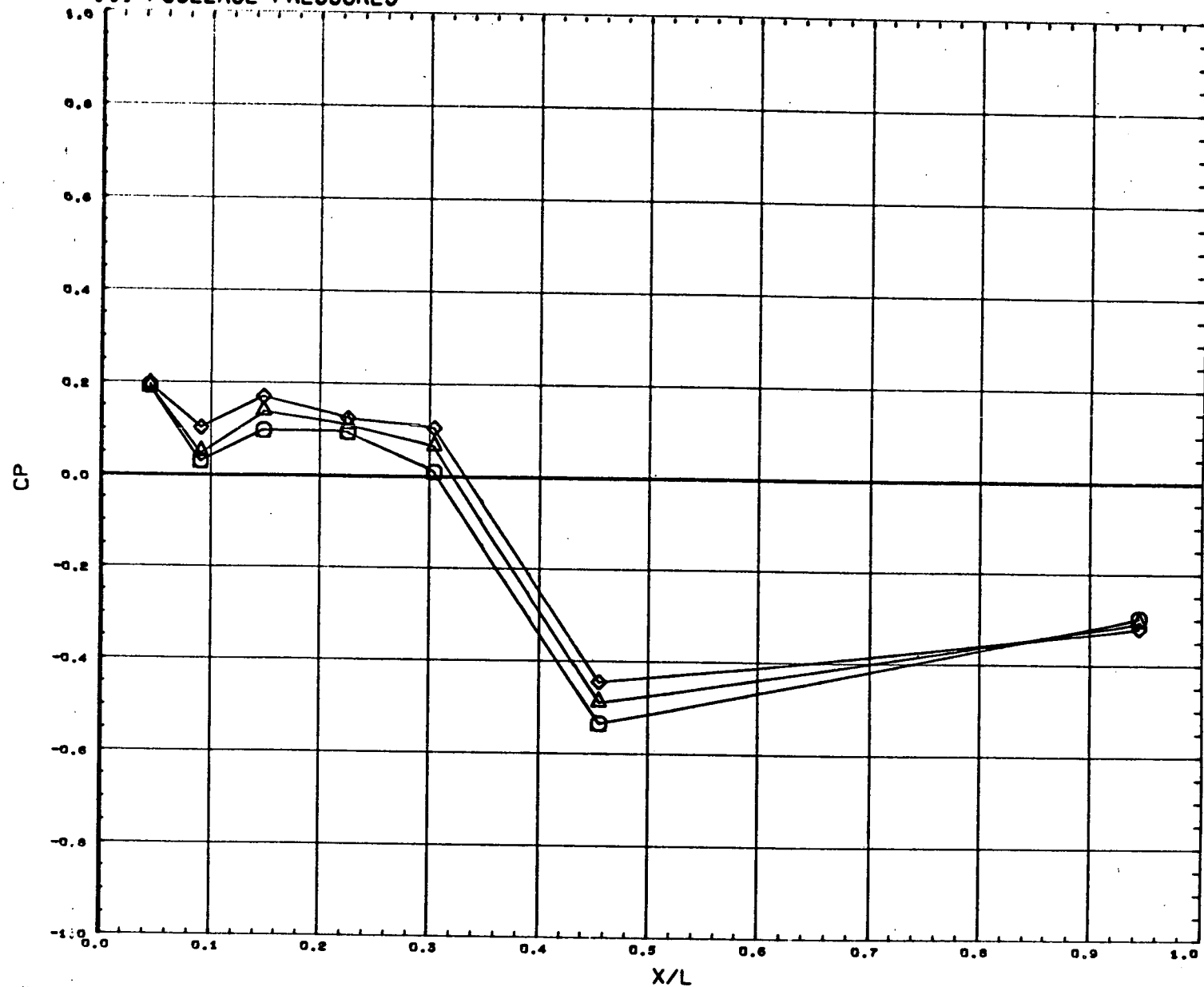
PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 9

T101 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	2.000	0.000	1.195
△	4.000		
◇	6.000		

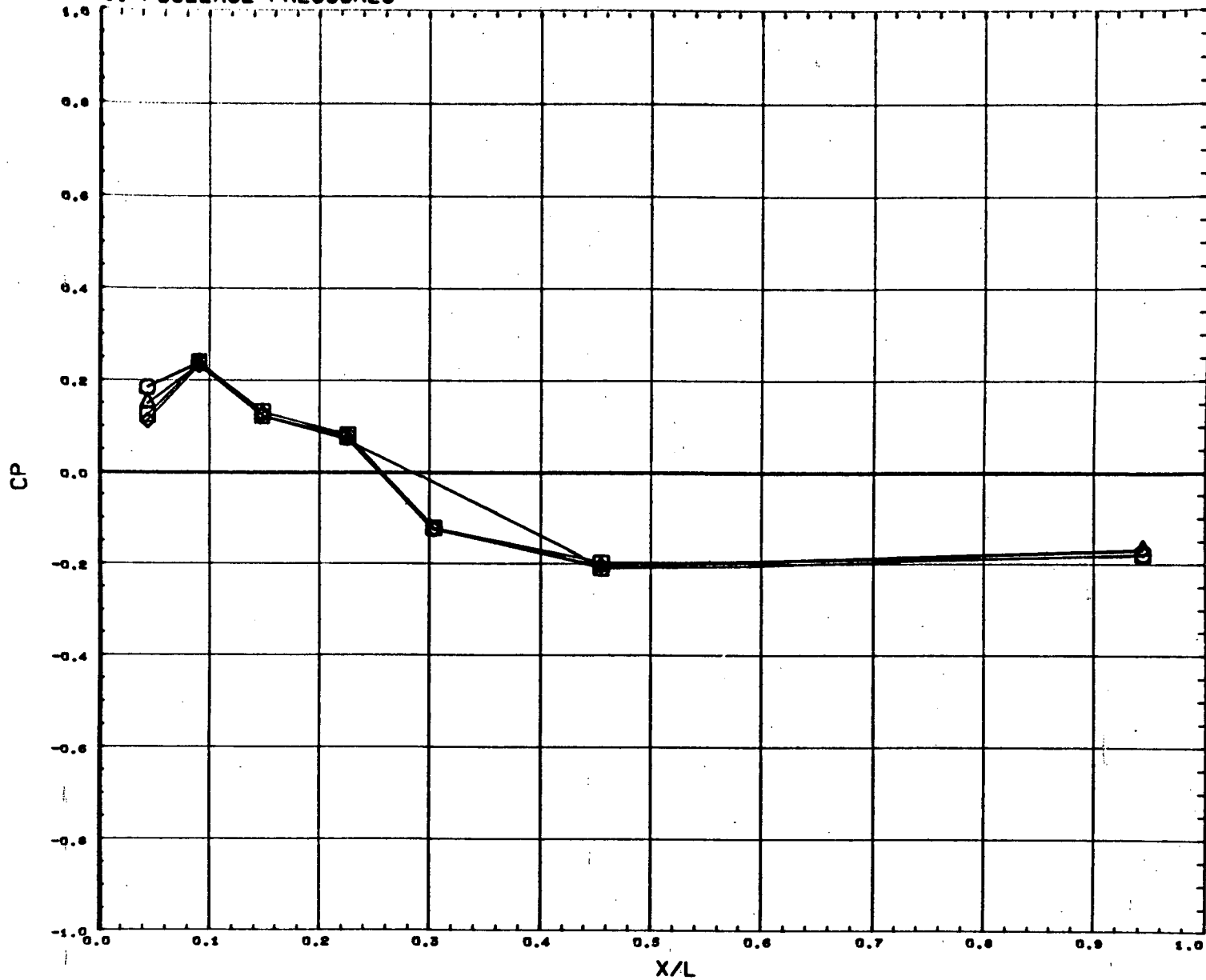
PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 10

T101 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	- 6.000	0.000	1.967
△	- 4.000		
◇	- 2.000		
□	- 0.000		

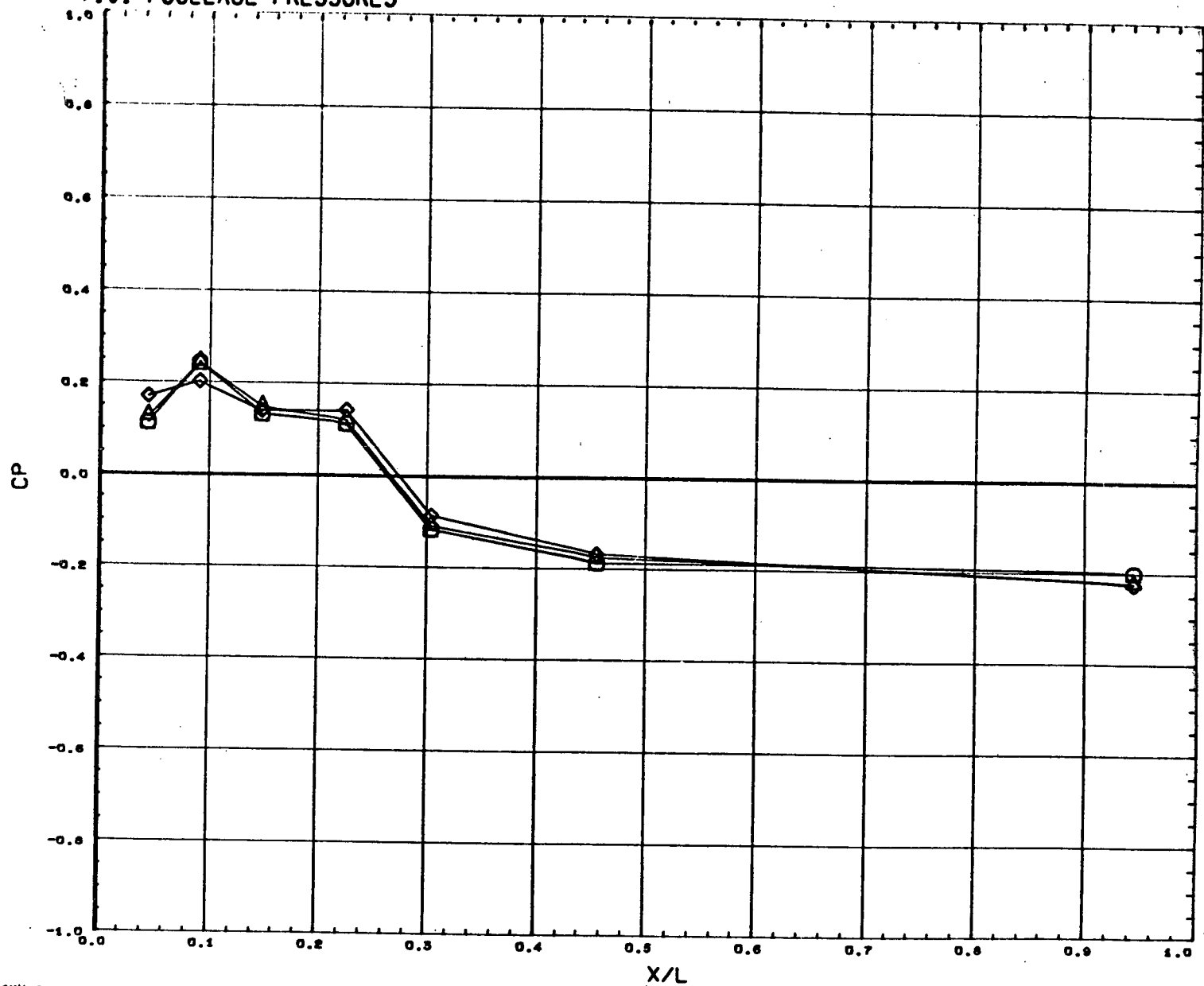
PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 11

T101 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	2.000	0.000	1.967
△	4.000		
◇	6.000		

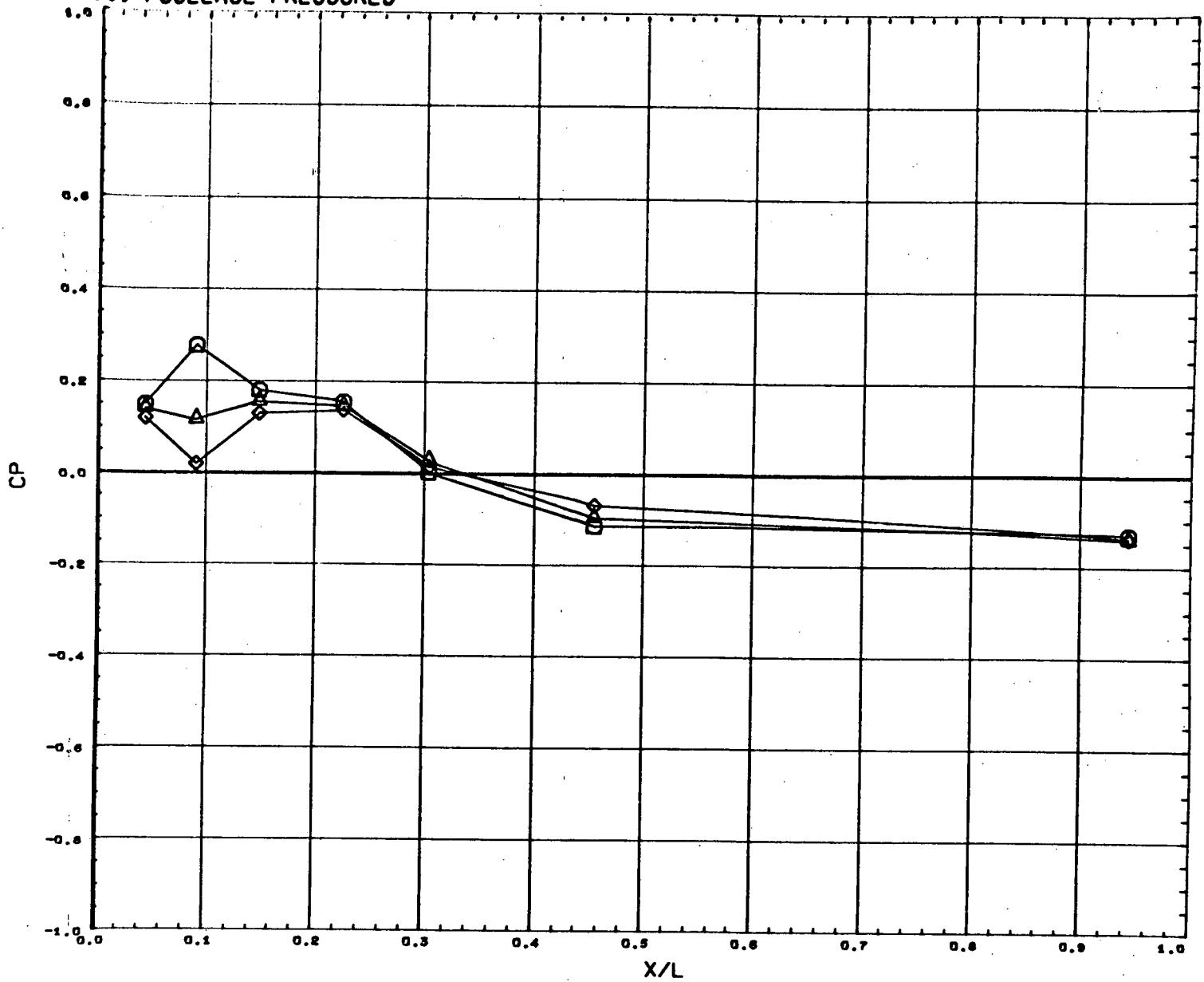
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67001)

PAGE 12

T101 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	2.740
△	0.000		
◇	6.000		

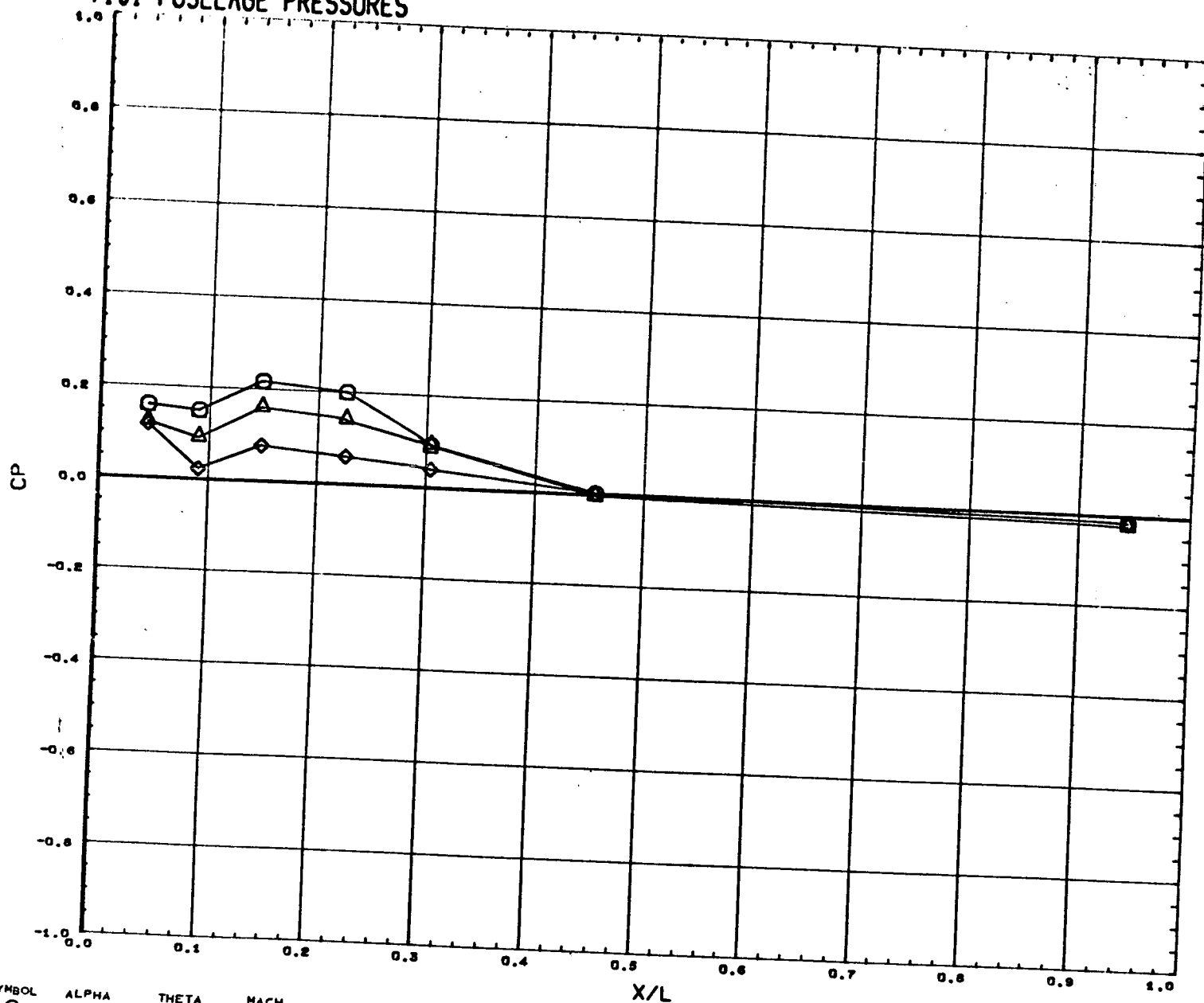
PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67002)

PAGE 13

T101 FUSELAGE PRESSURES



SYMBOL ALPHA THETA MACH
 ○ 6.000 0.000 4.960
 △ 0.000 0.000 4.960
 ◇ 6.000 0.000 4.960

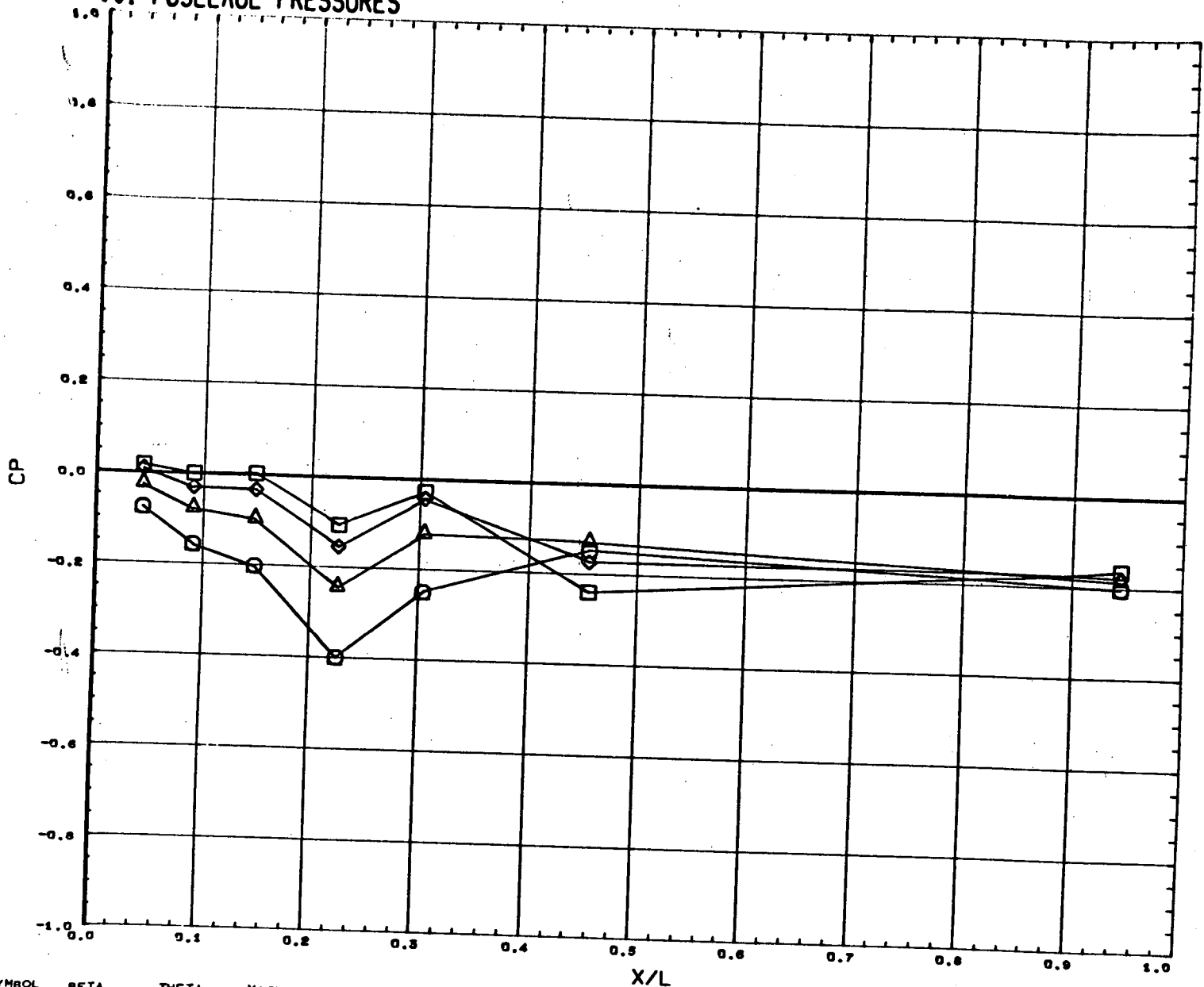
PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.900

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67002)

PAGE 14

T101 FUSELAGE PRESSURES



SYMBOL BETA THETA MACH
 ○ - 6.000 0.000 0.600
 △ - 4.000
 ◇ - 2.000
 □ - 0.000

PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.500

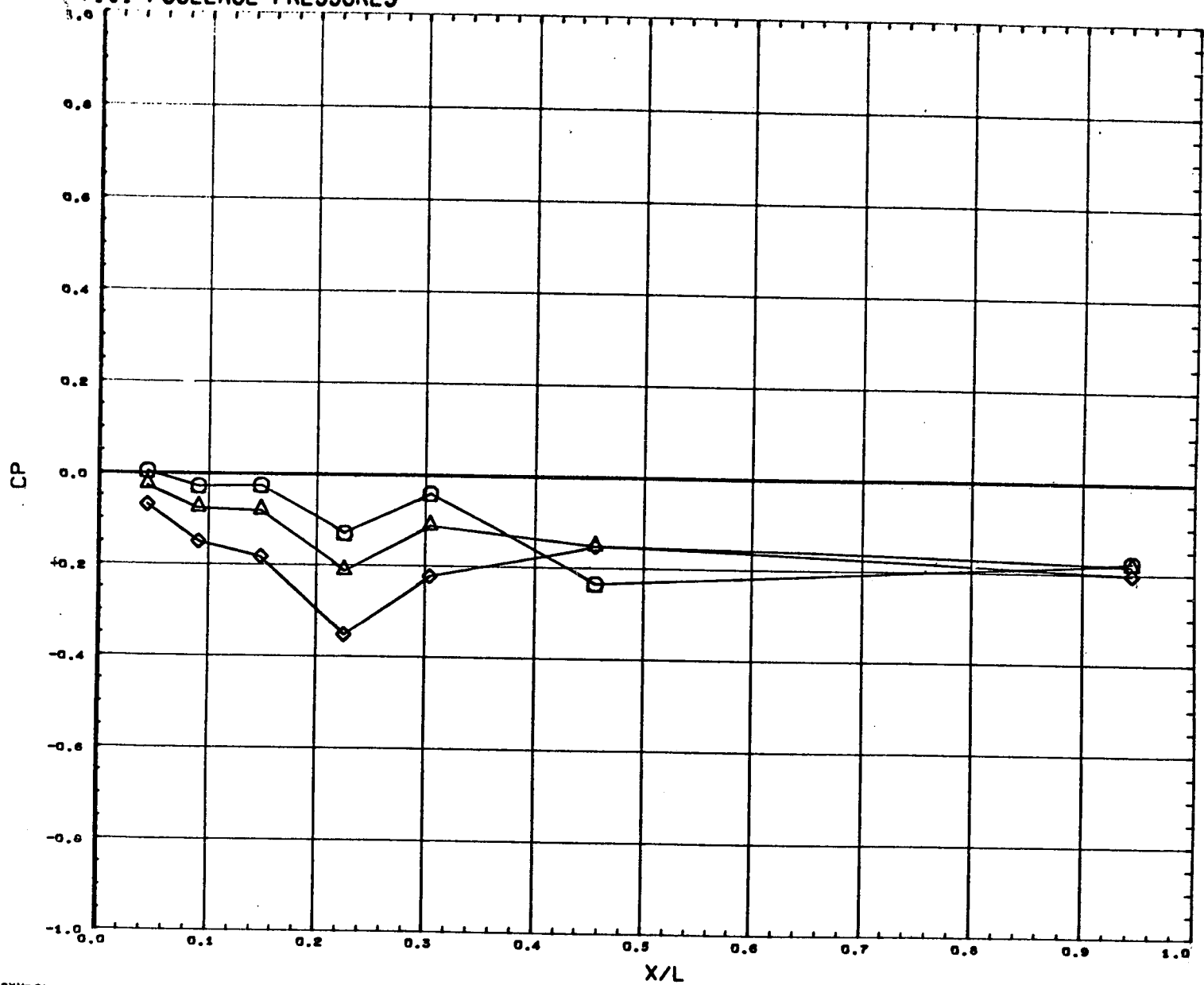
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67003)

PAGE 15

D

T101 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	2.000	0.000	0.600
△	4.000		
◇	6.000		

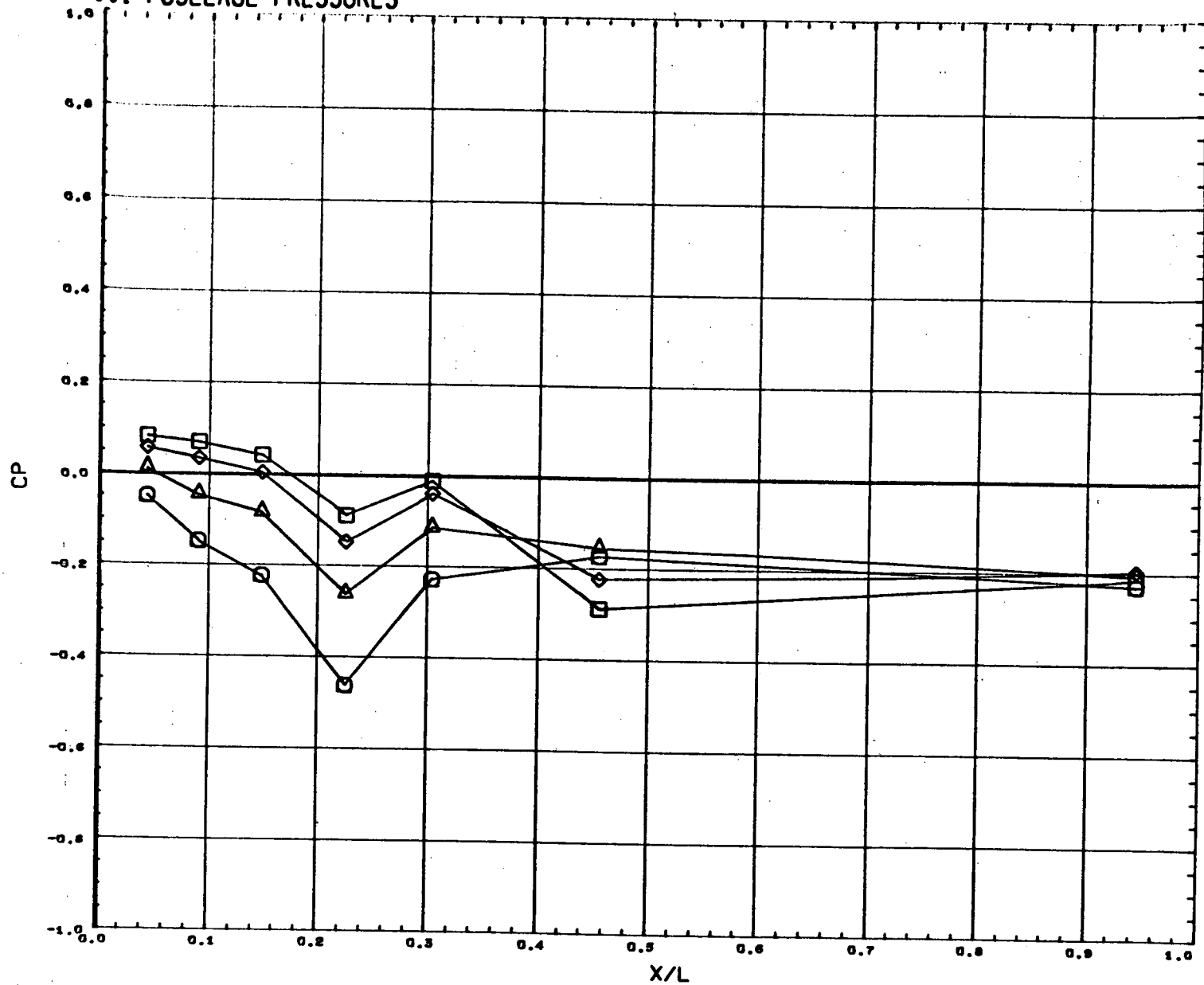
PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67003)

PAGE 16

T101 FUSELAGE PRESSURES



SYMBOL BETA THETA MACH
 ○ - 6.000 0.000 0.804
 △ - 4.000
 ◇ - 2.000
 □ - 0.000

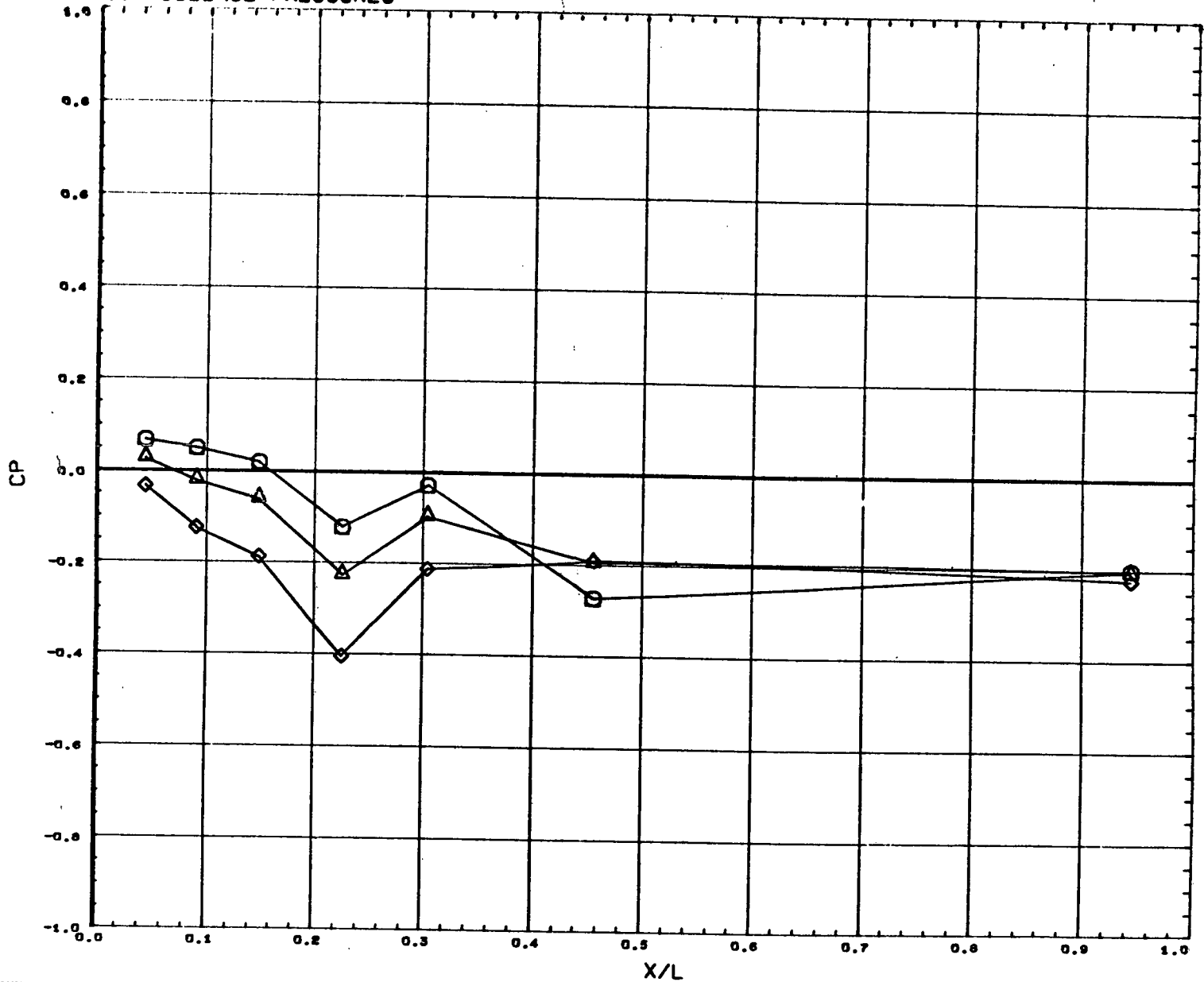
PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67003)

PAGE 17

T101 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	2.000	0.000	0.804
△	4.000		
◇	6.000		

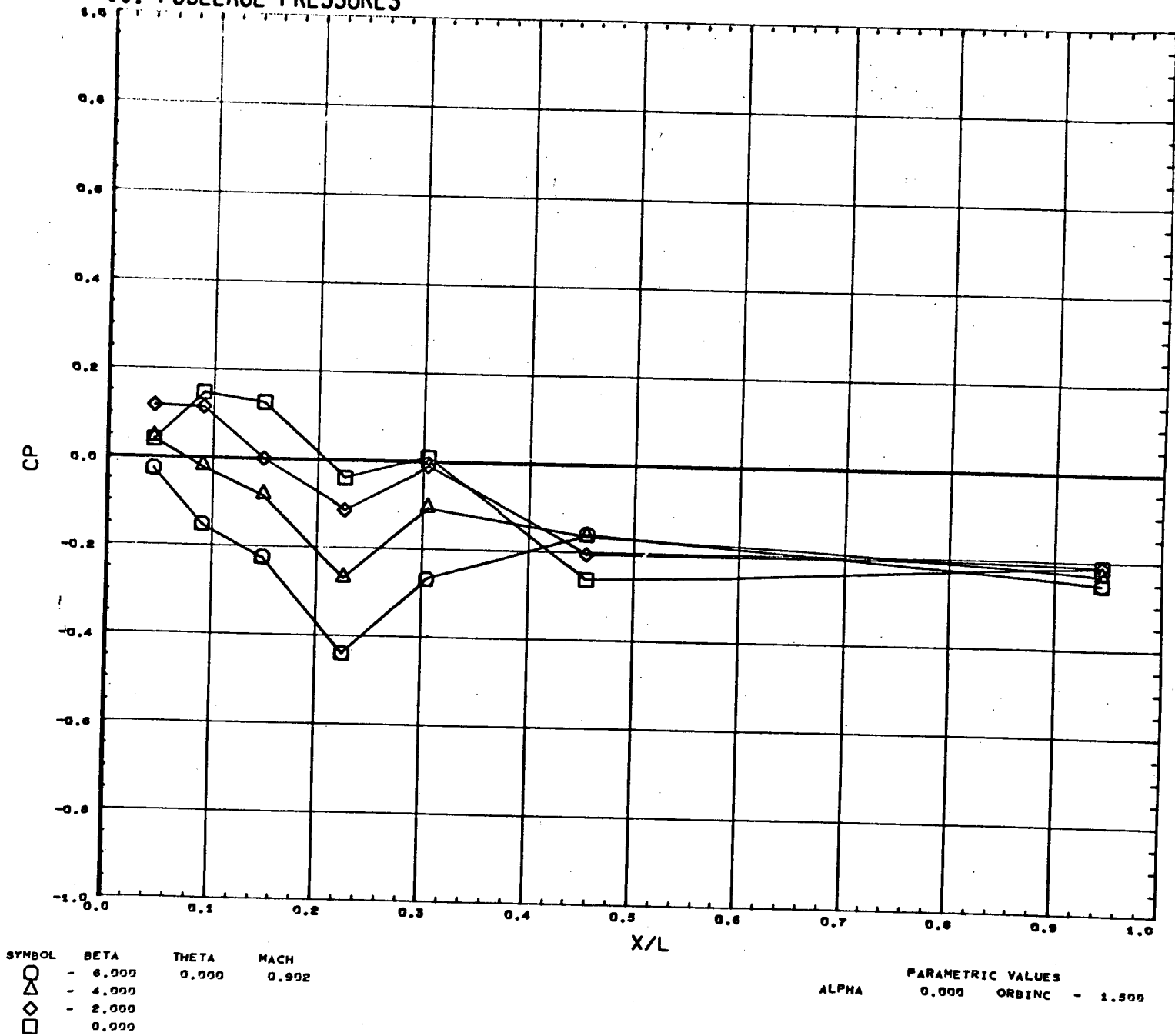
PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67003)

PAGE 18

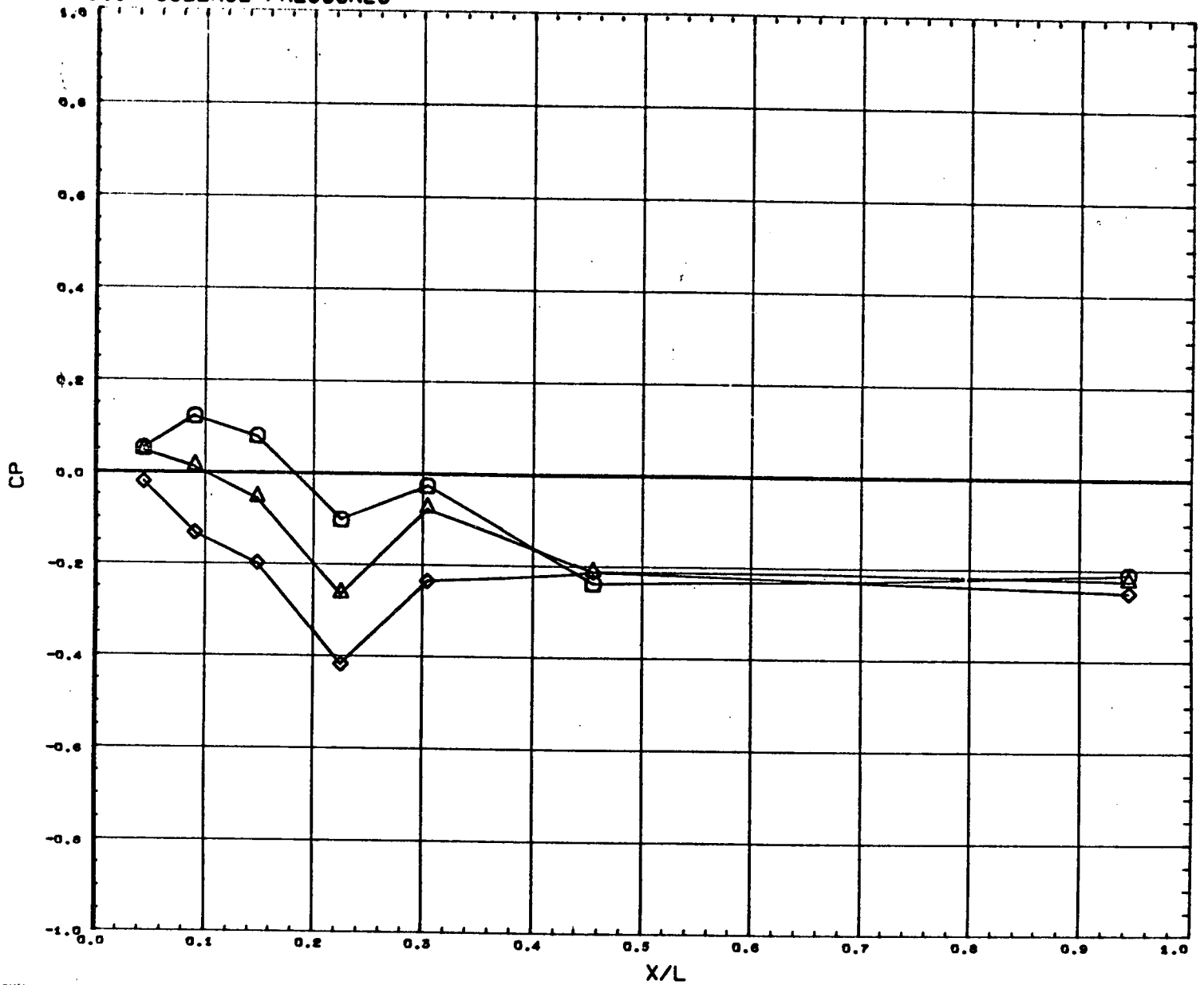
T101 FUSELAGE PRESSURES



REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67003)

T101 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	2.000	0.000	0.902
△	4.000		
◇	6.000		

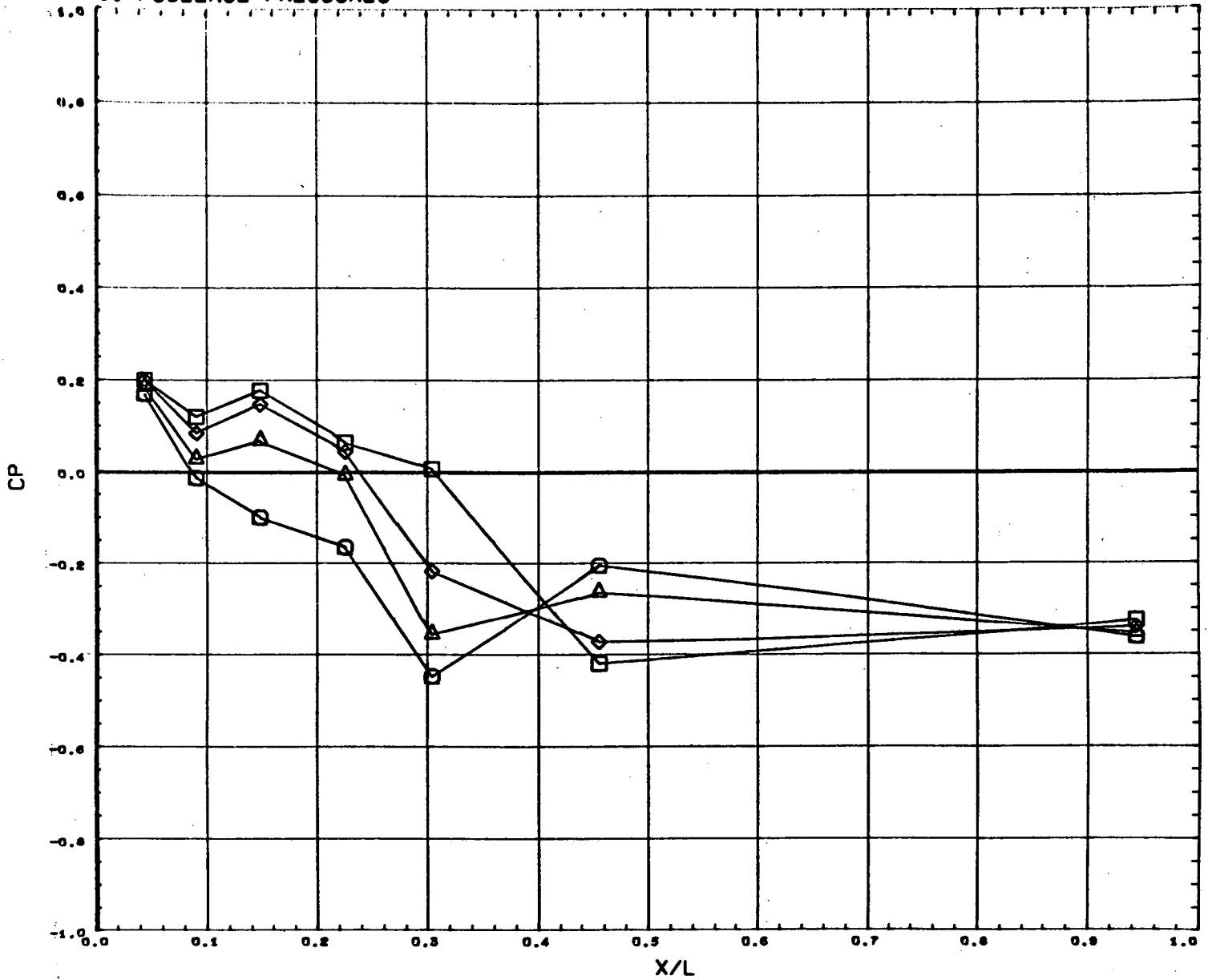
PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67003)

PAGE 20

T101 FUSELAGE PRESSURES



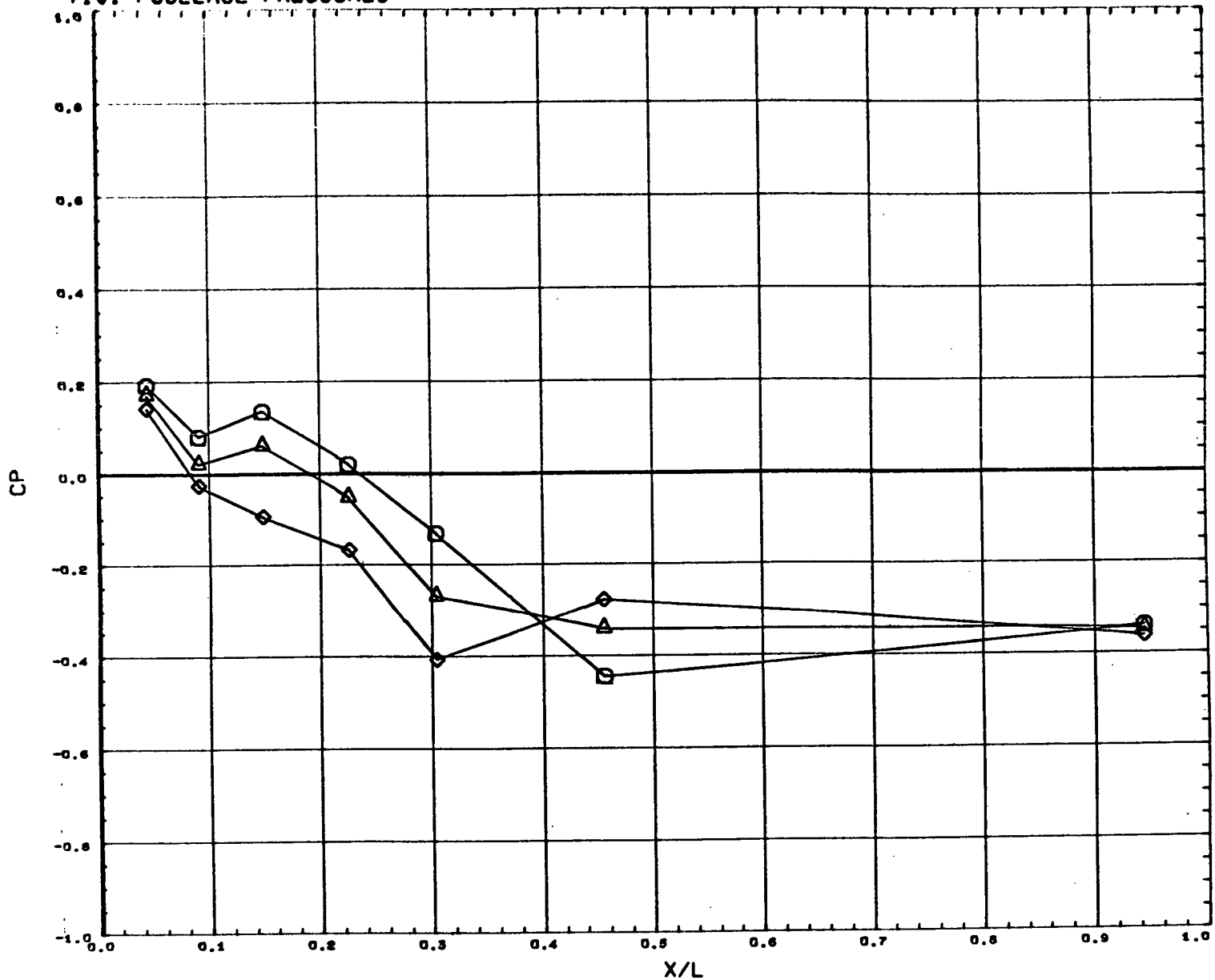
SYMBOL:
 - 6.000
 - 4.000
 - 2.000
 - 0.000

BETA:
 THETA: 0.000
 MACH: 1.105

PARAMETRIC VALUES
 ALPHA: 0.000 ORBINC: -1.500

REFERENCE FILE

T101 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	2.000	0.000	1.105
△	4.000		
◇	6.000		

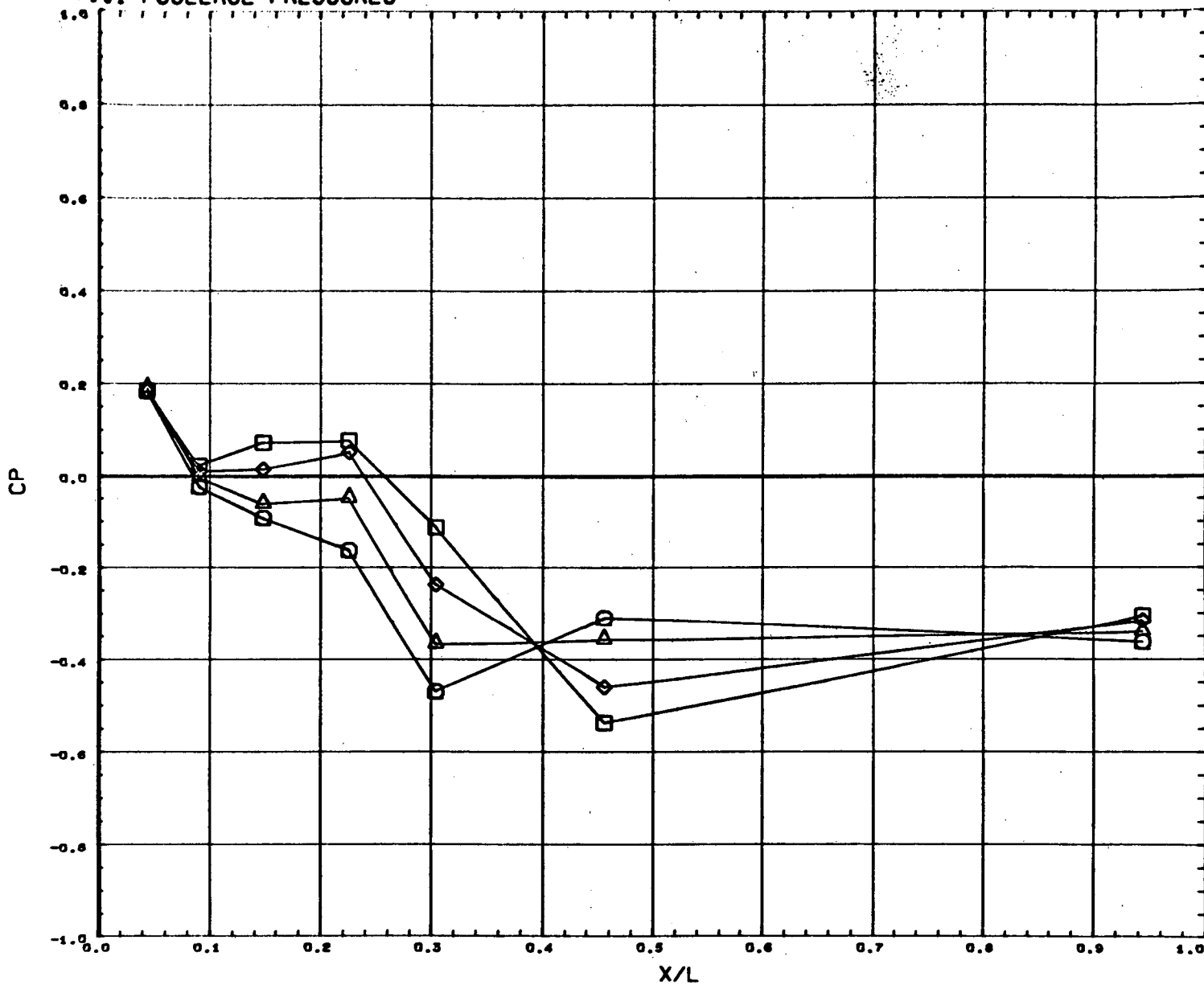
PARAMETRIC VALUES
ALPHA 0.000 ORBINC. - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67003)

PAGE 22

T101 FUSELAGE PRESSURES

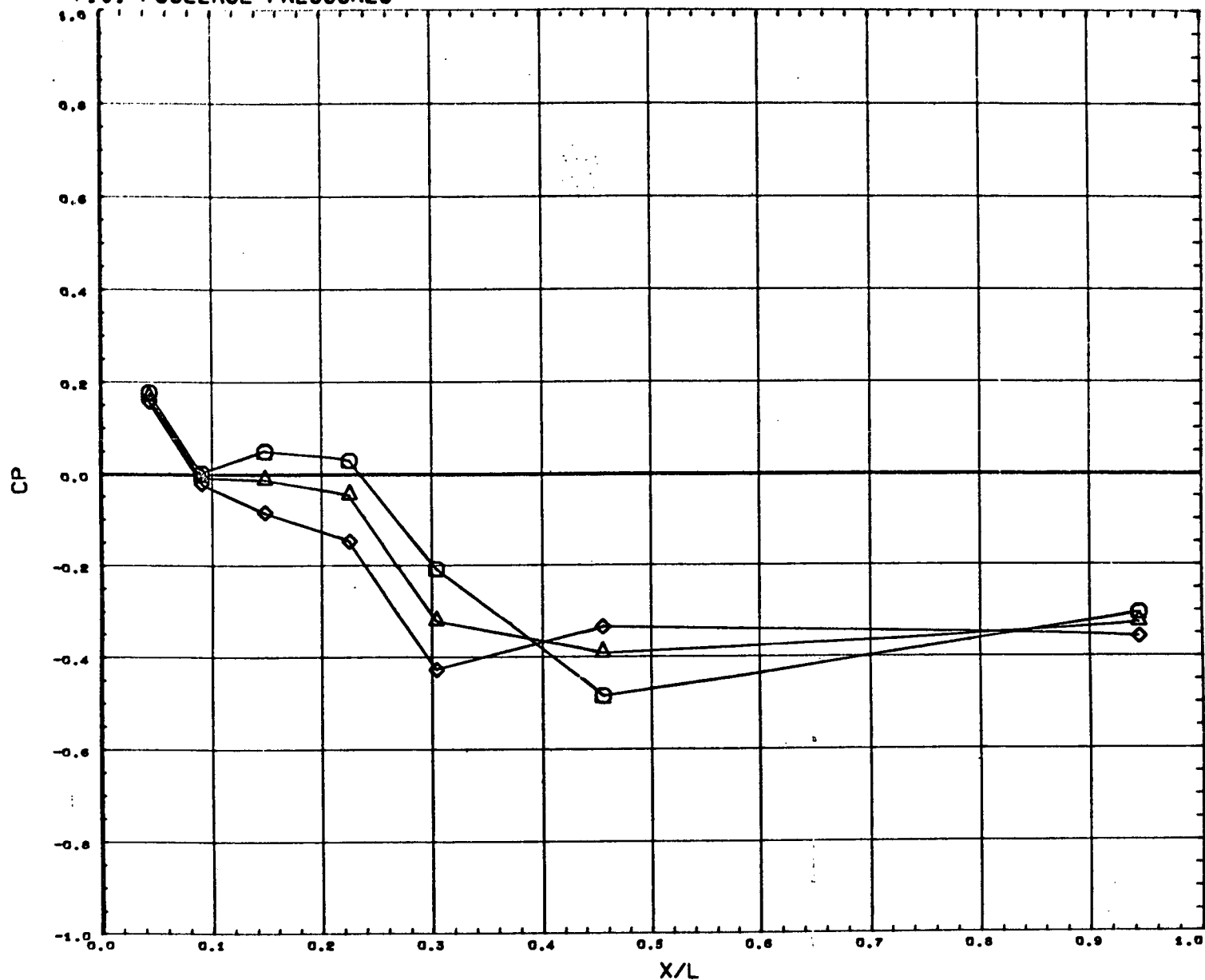


SYMBOL	BETA	THETA	MACH
○	6.000	0.000	1.199
△	4.000		
◇	2.000		
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.999

REFERENCE FILE

T101 FUSELAGE PRESSURES



SYMBOL BETA THETA MACH
 ○ 2.000 0.000 1.199
 △ 4.000
 ◇ 6.000

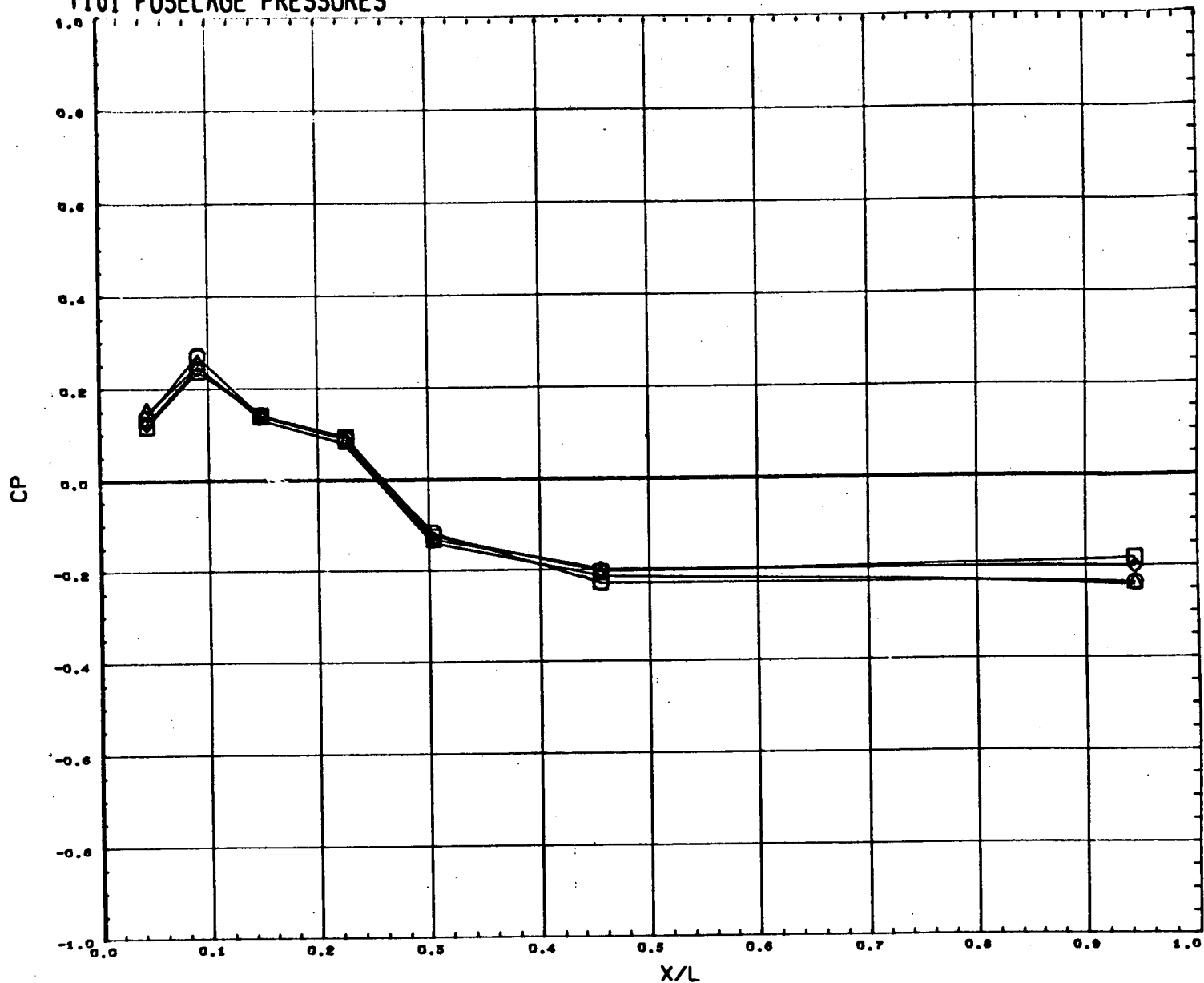
PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.500

REFERENCE FILE

MSFC, TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67003)

PAGE 24

T101 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	- 6.000	0.000	1.963
△	- 4.000		
◇	- 2.000		
□	- 0.000		

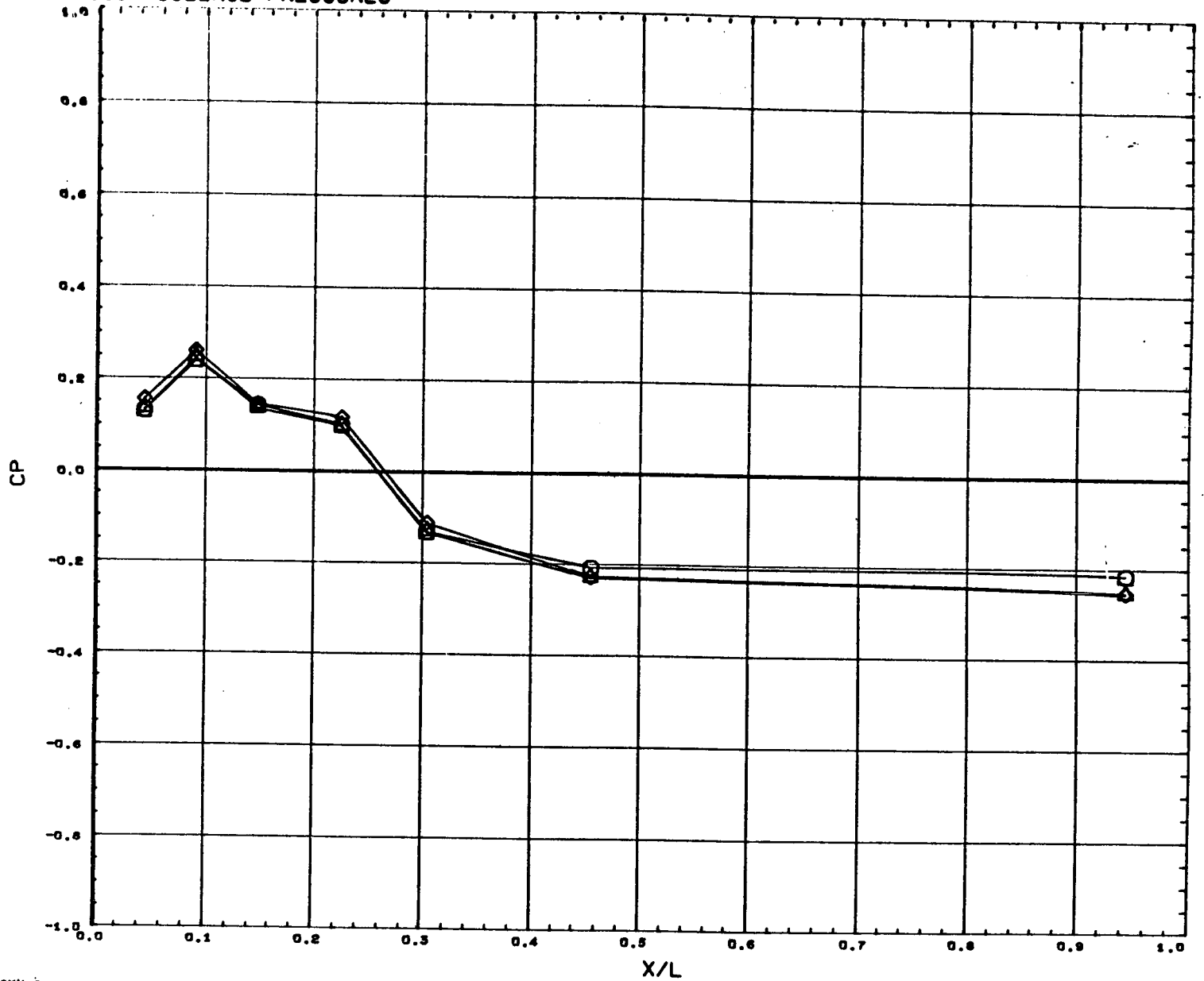
PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.900

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67003)

PAGE 25

T101 FUSELAGE PRESSURES



SYMBOL BETA THETA MACH
 ○ 2.000 0.000 1.963
 ◇ 4.000
 6.000

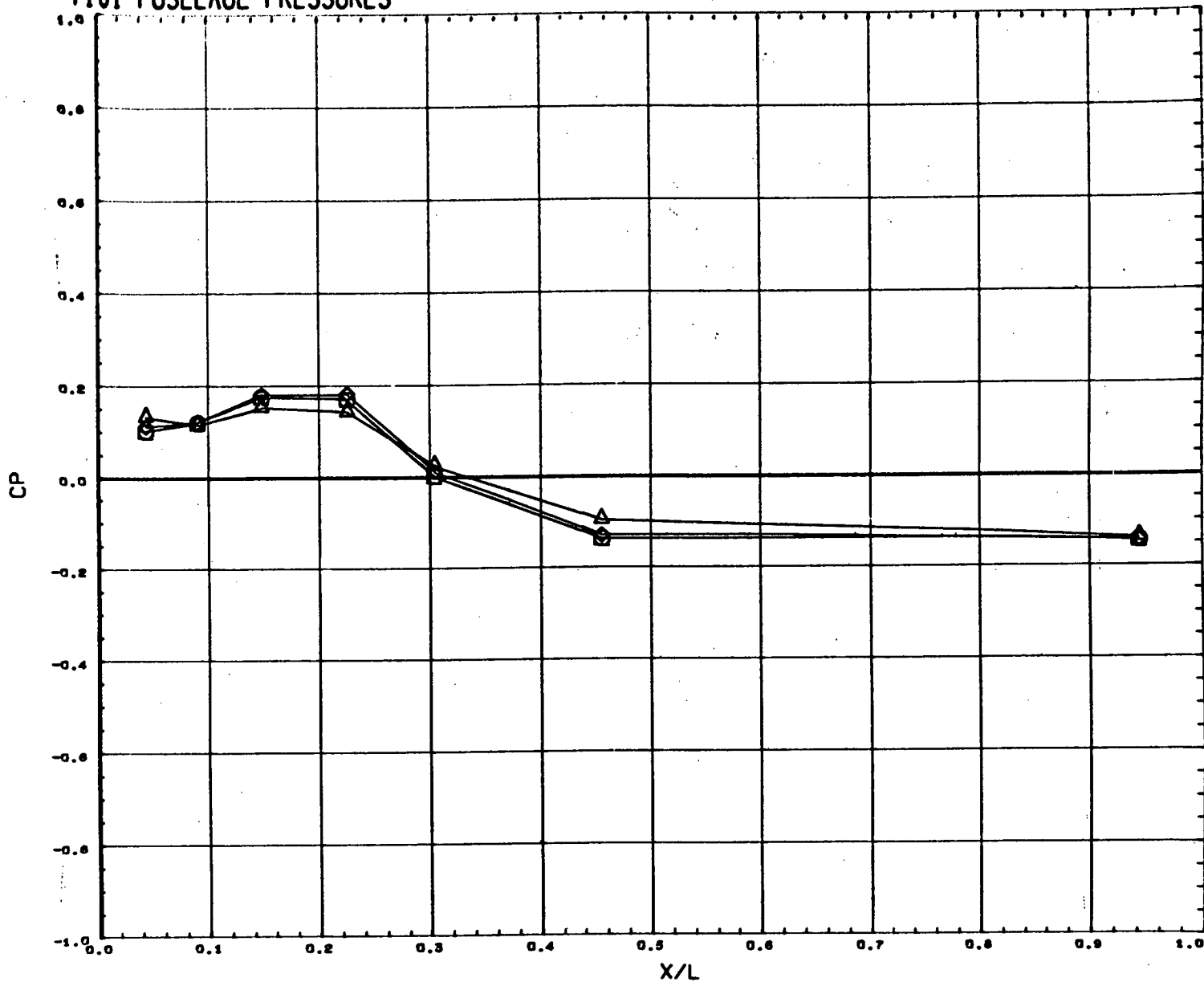
PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67003)

PAGE 26

T101 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	2.740
△	0.000		
◇	0.000		

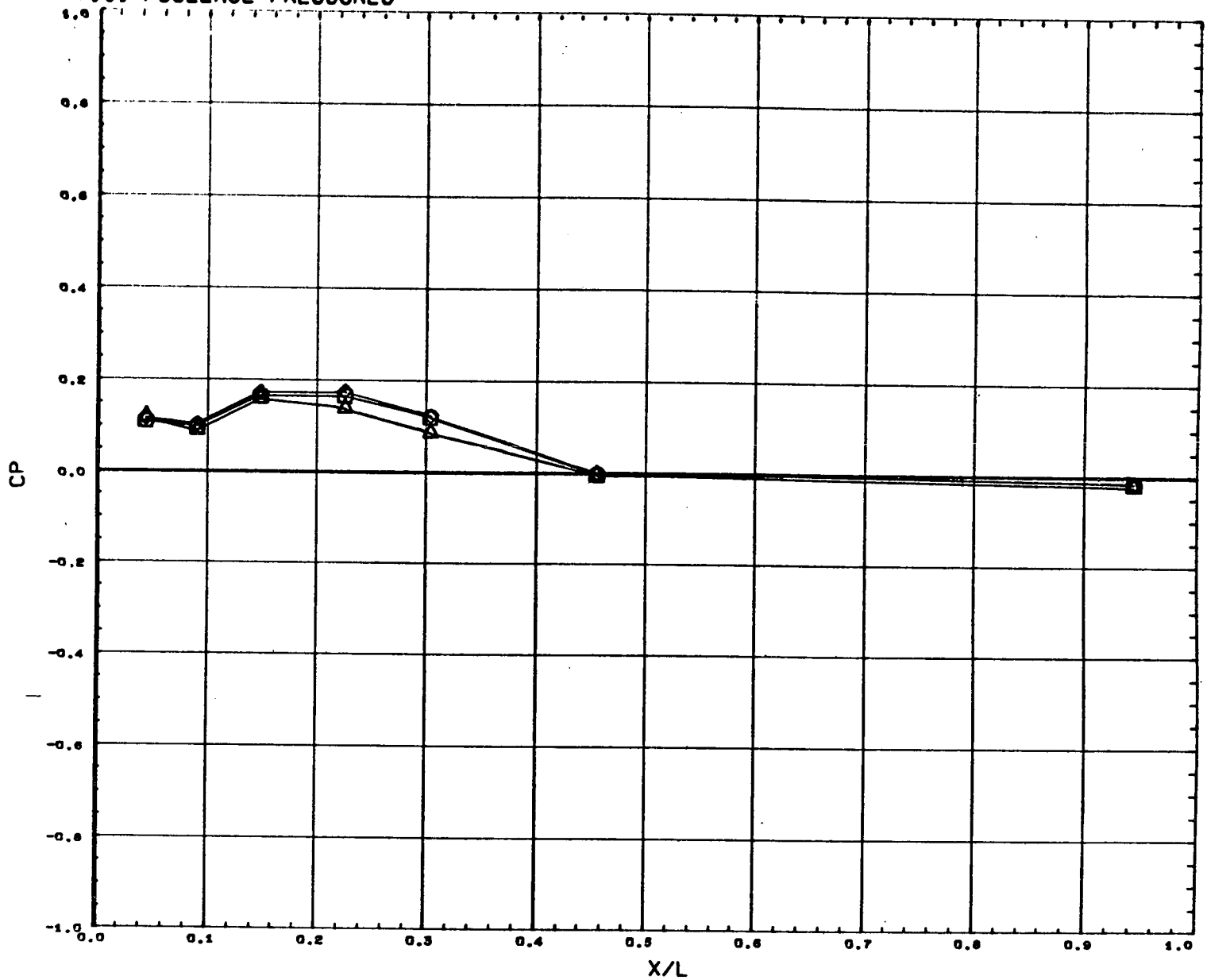
PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67004)

PAGE 27

T101 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	0.000	0.000	4.960
△	0.000	0.000	4.960
◇	6.000	0.000	4.960

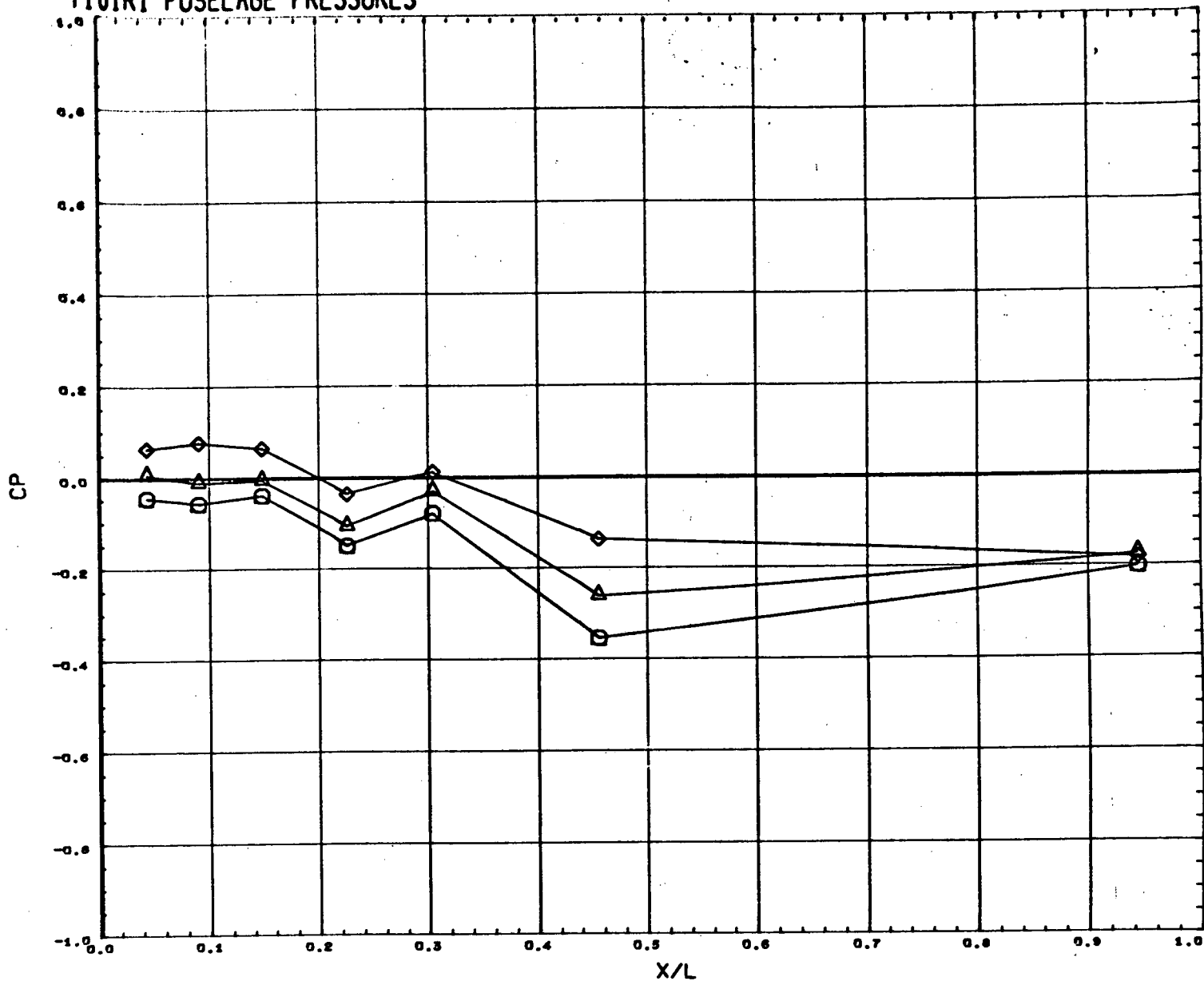
PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101 (FUSELAGE) (A67004)

PAGE 28

T101R1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	0.604
△	0.000		
◇	6.000		

PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500

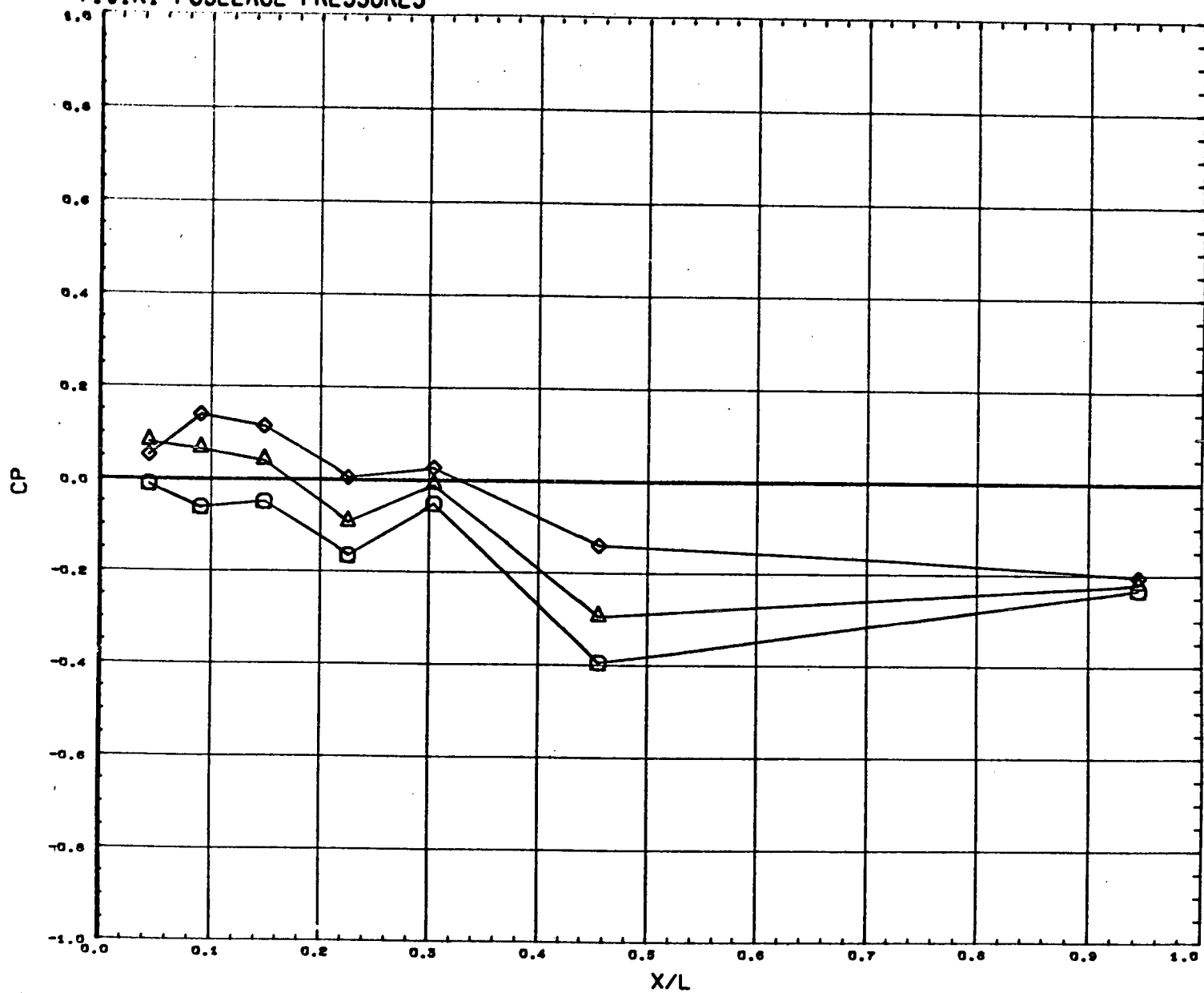
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67005)

PAGE 29

F

T101R1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	0.803
△	0.000		
◇	6.000		

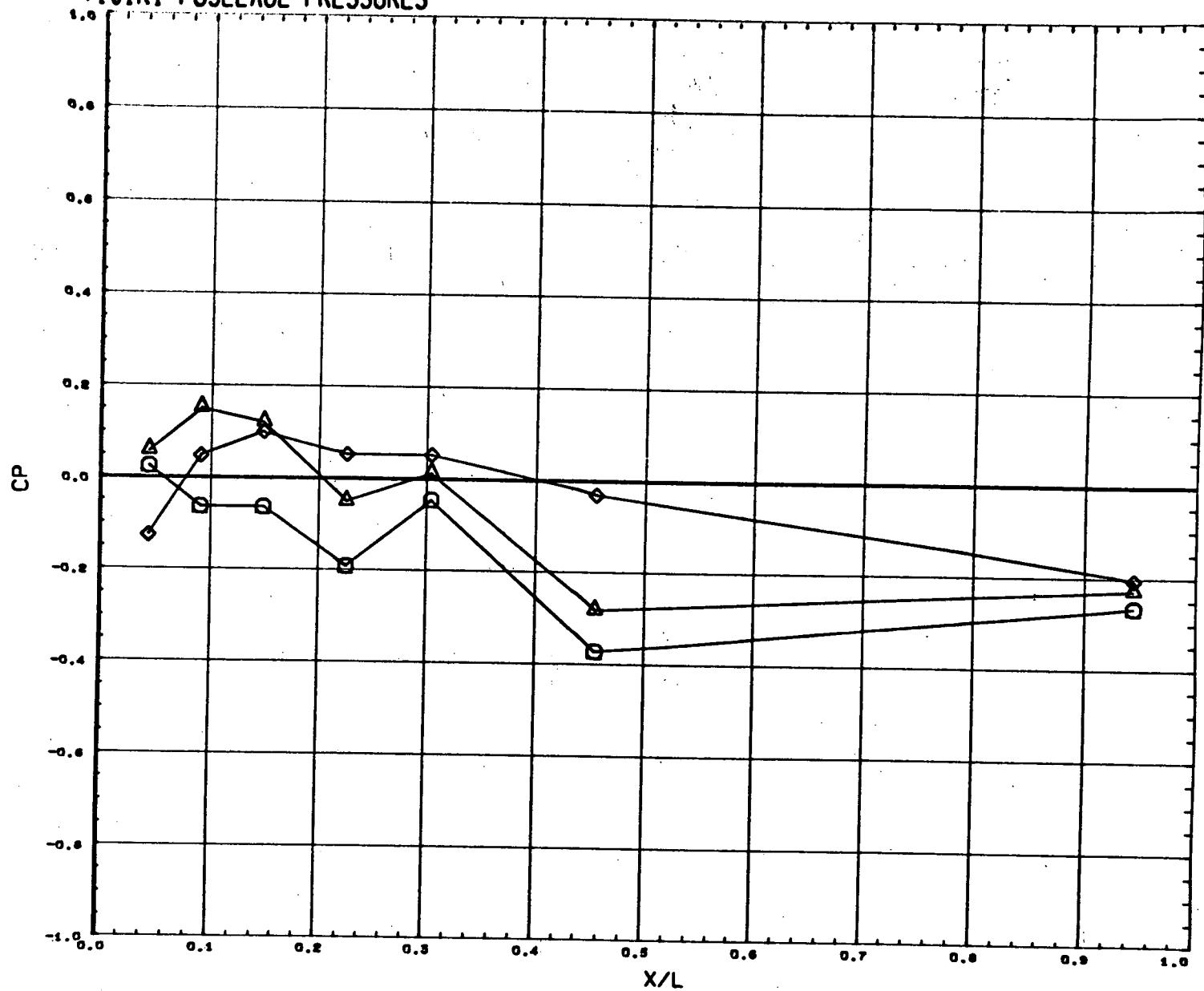
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67005)

PAGE 30

T101R1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	0.899
△	0.000		
◇	6.000		

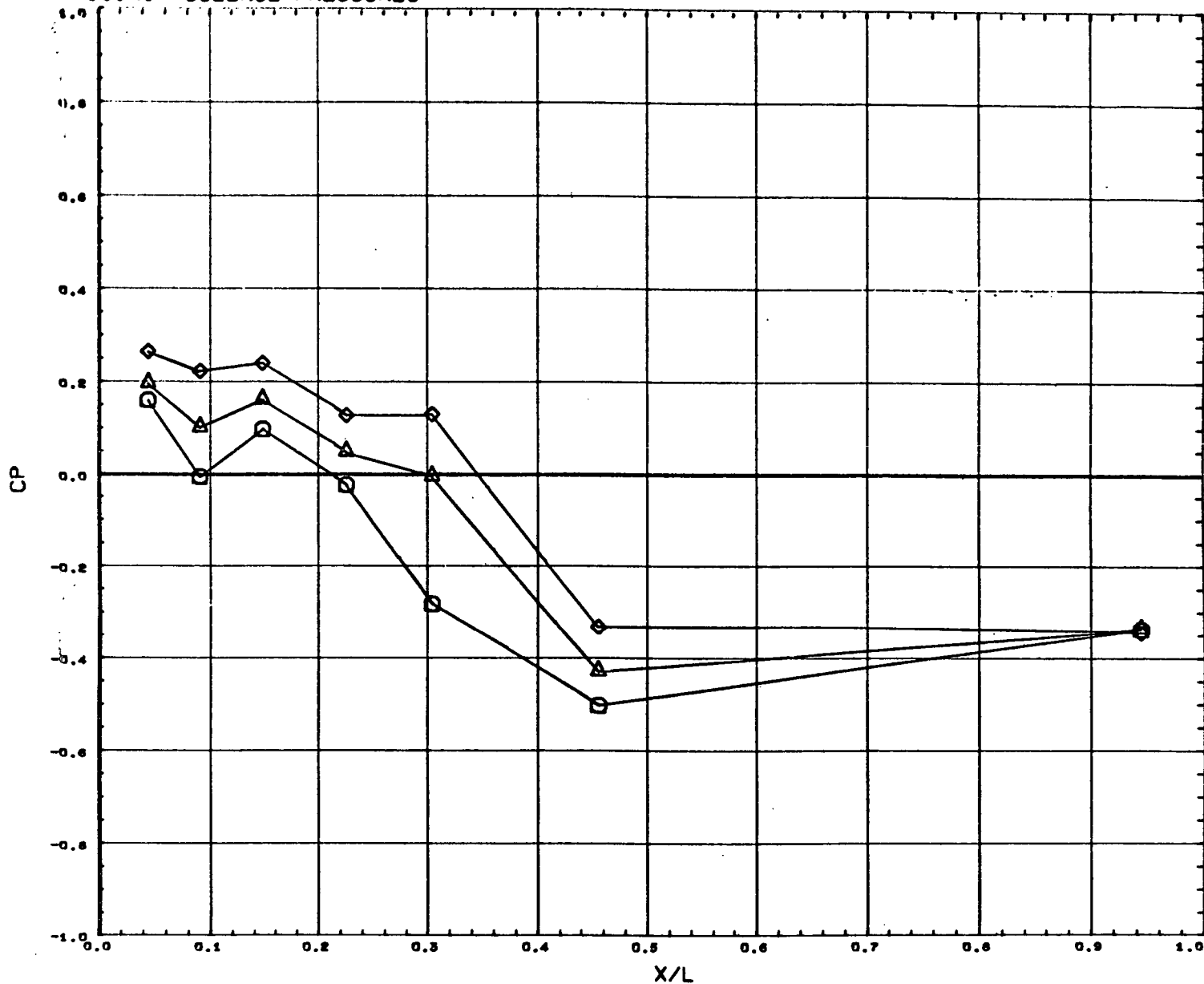
PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.900

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67005)

PAGE 31

T101R1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	1.093
△	0.000		
◇	6.000		

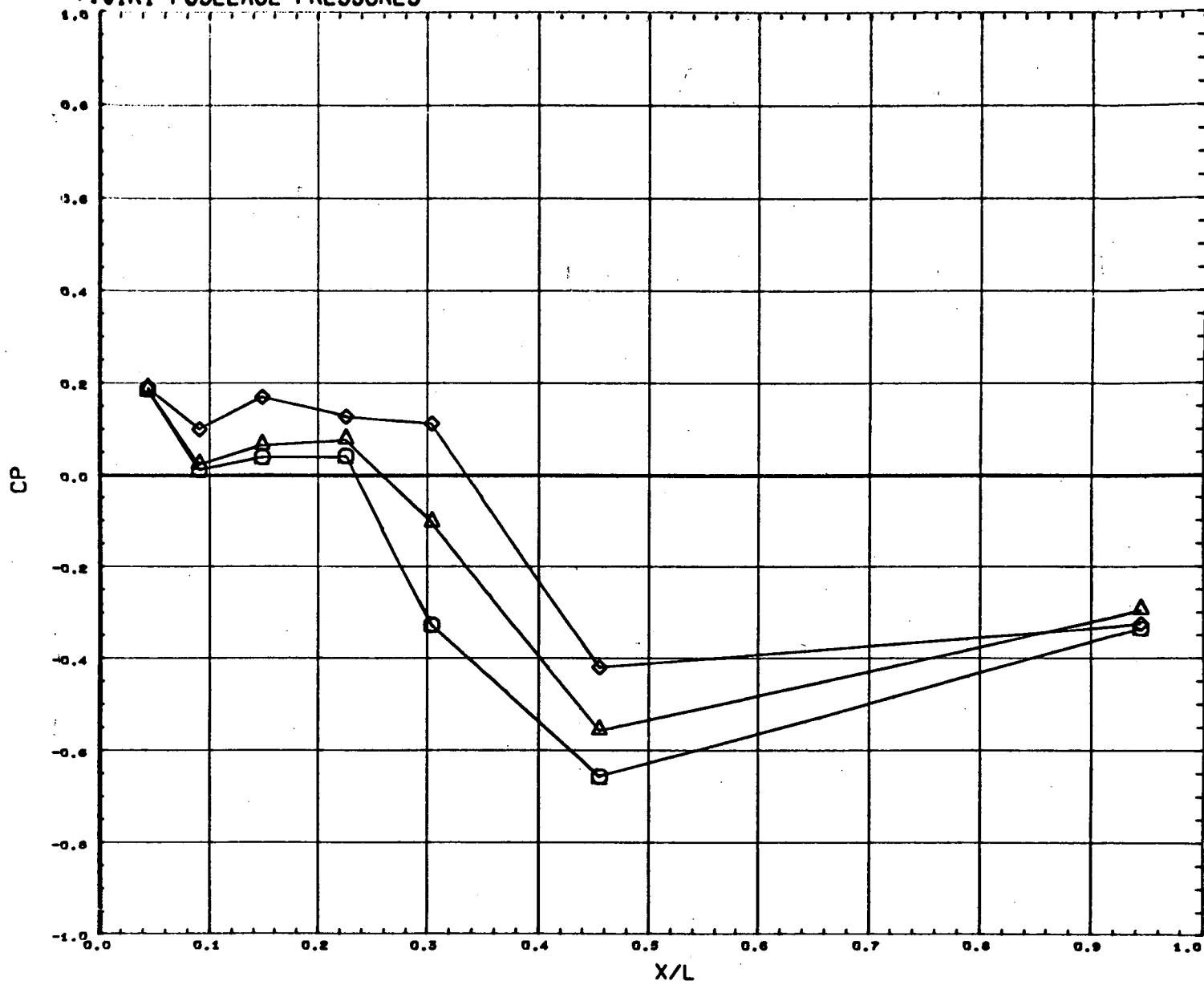
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67005)

PAGE 32

T101R1 FUSELAGE PRESSURES



SYMBOL ALPHA THETA MACH
 ○ 6.000 0.000 1.195
 △ 0.000
 ◇ 6.000

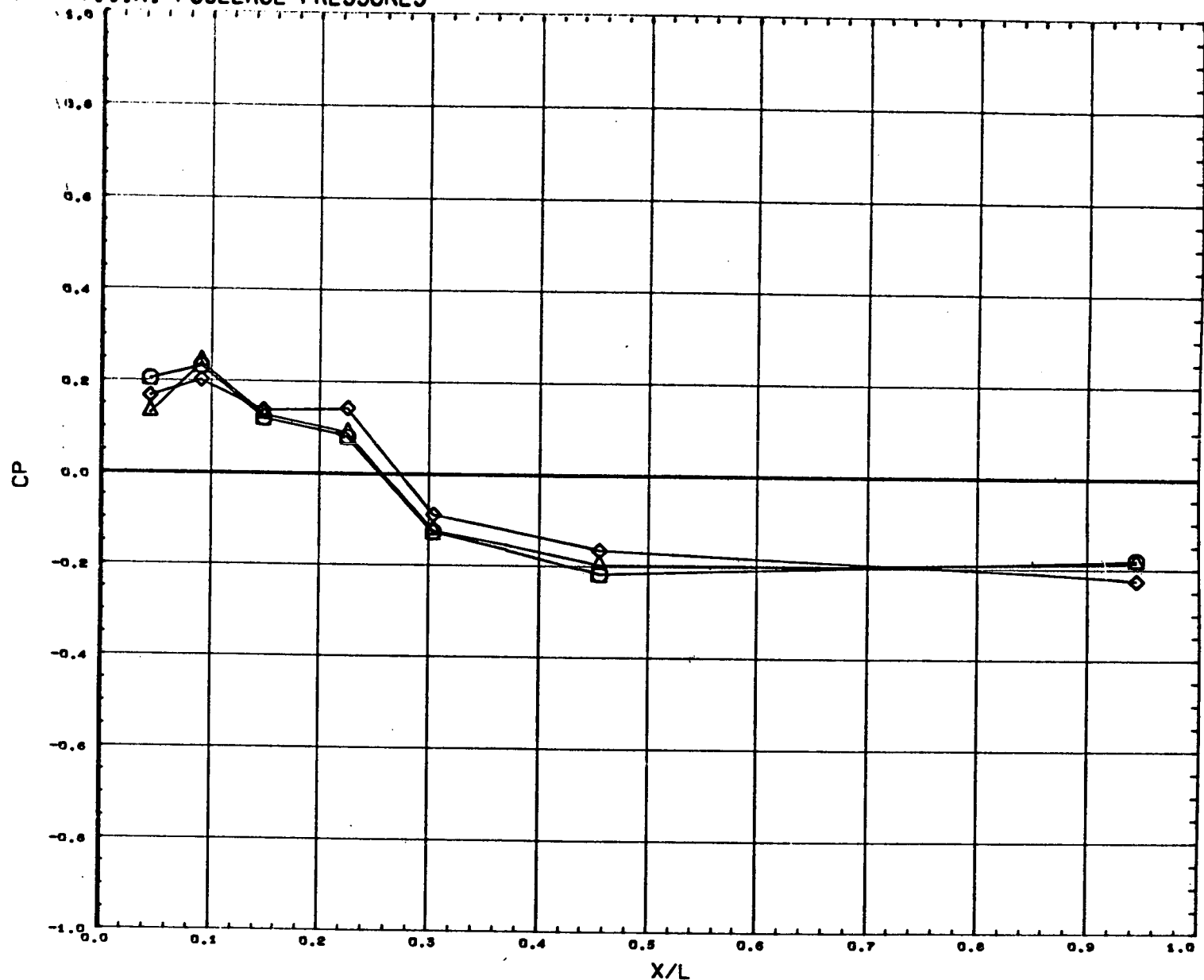
PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.900

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67005)

PAGE 33

T101R1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	1.960
△	0.000		
◇	6.000		

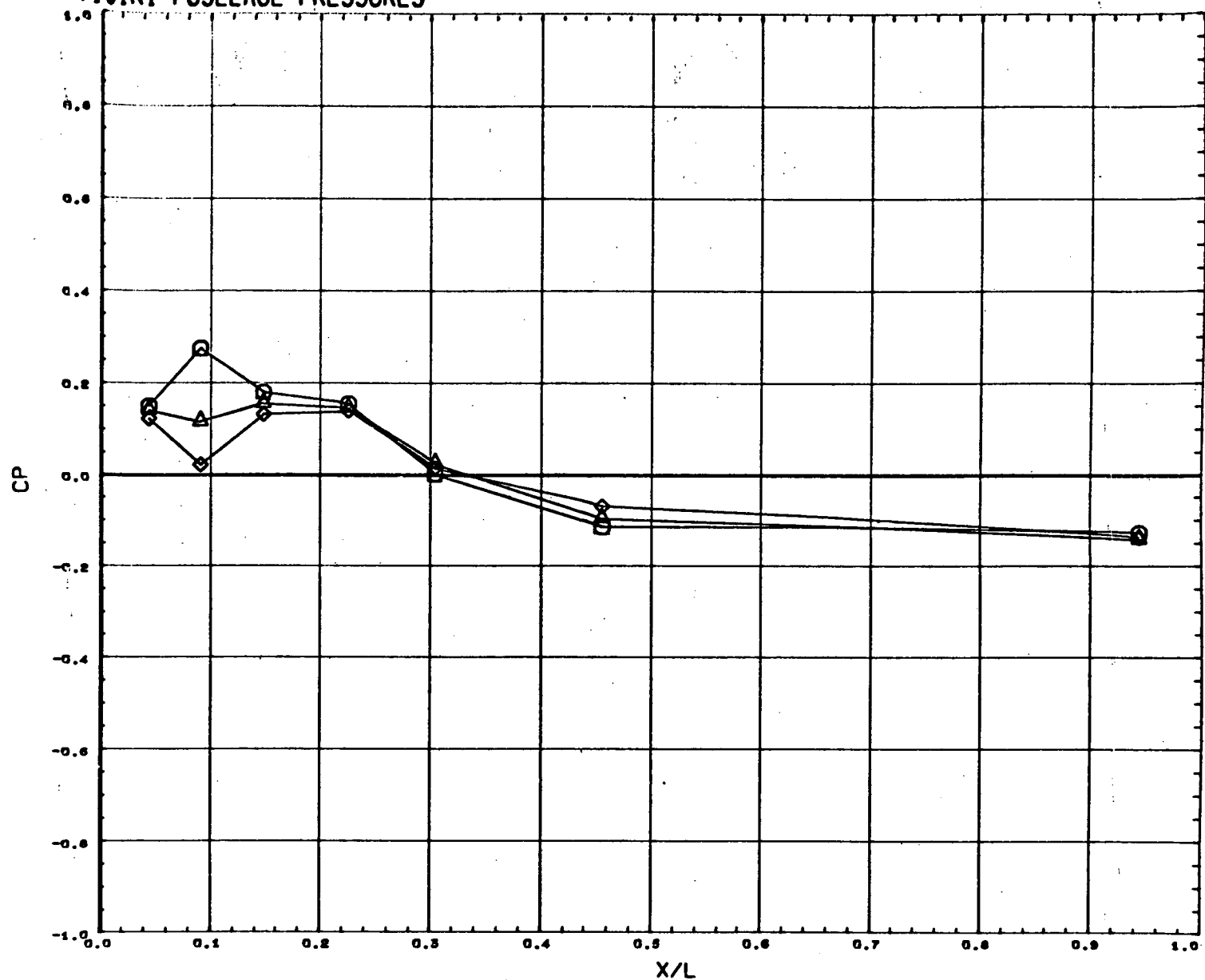
PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67005)

PAGE 34

T101R1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	2.740
△	0.000		
◇	6.000		

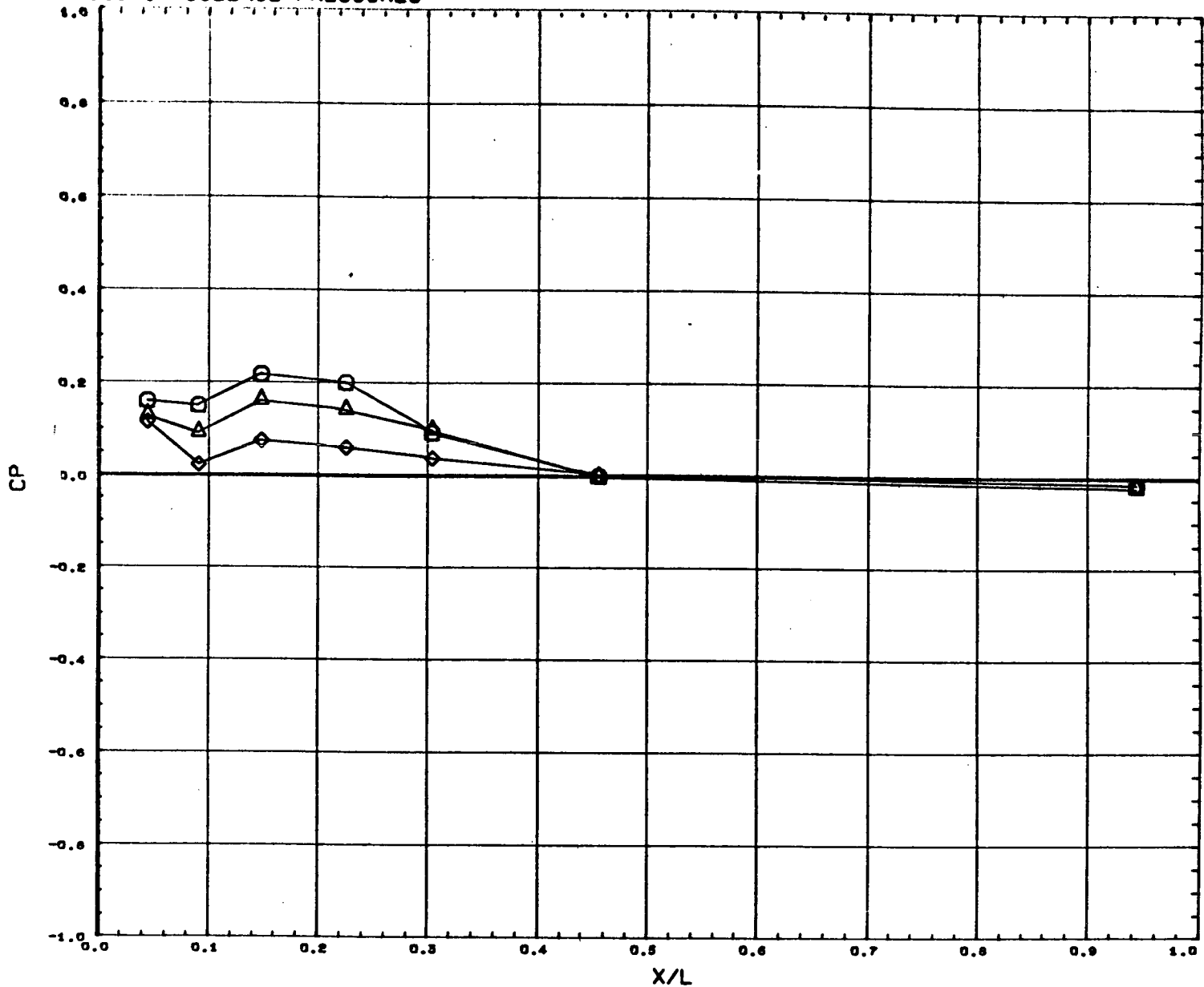
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.900

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67005)

PAGE 35

T101R1 FUSELAGE PRESSURES



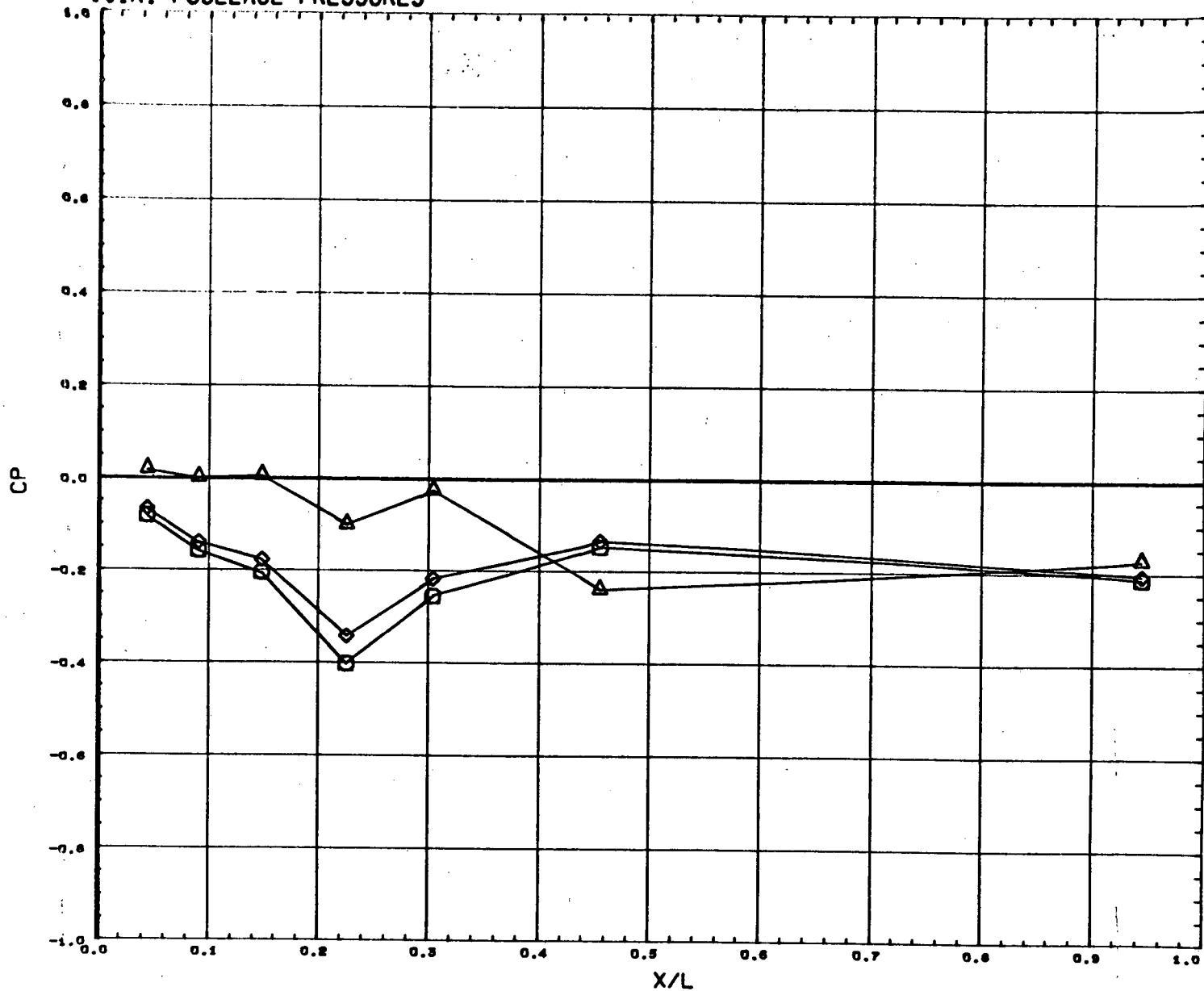
SYMBOL	ALPHA	THETA	MACH	PARAMETRIC VALUES		
○	6.000	0.000	4.960	BETA	0.000	ORBINC - 1.500
△	0.000					
◇	6.000					

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67005)

PAGE 36

T101R1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	0.602
△	0.000		
◇	6.000		

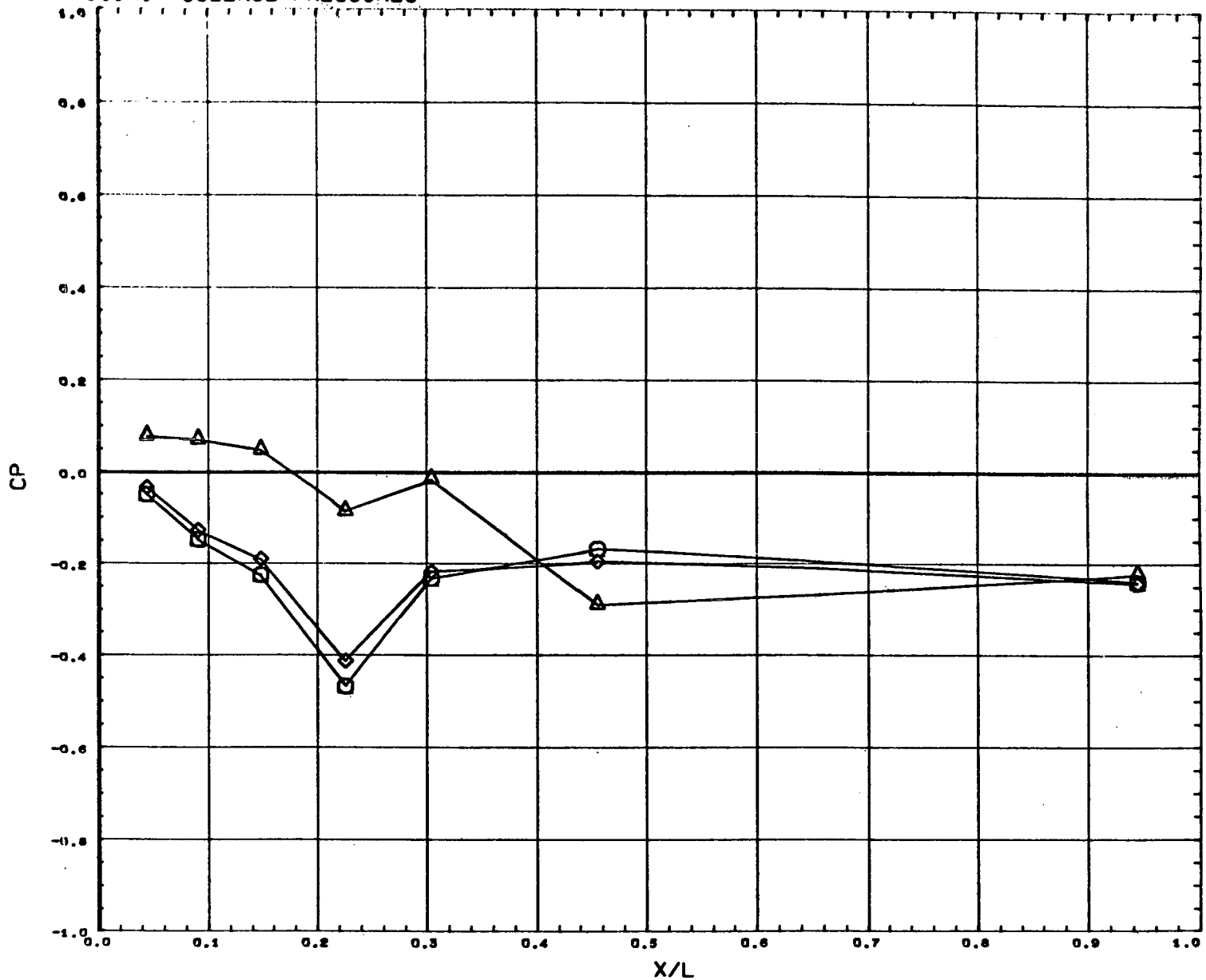
PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67006)

PAGE 37

T101R1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	- 6.000	0.000	0.803
△	0.000		
◇	6.000		

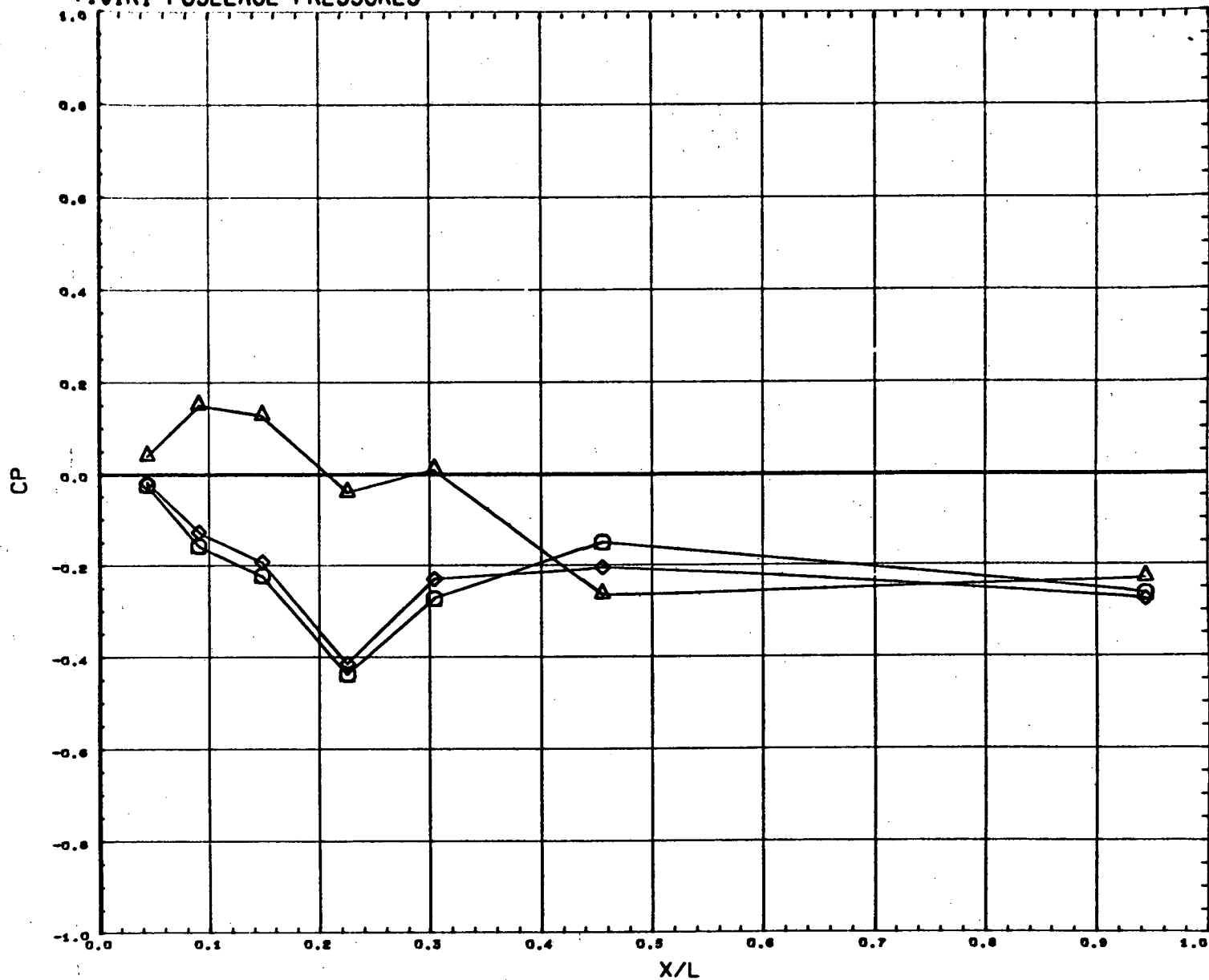
PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67006)

PAGE 38

T101R1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	0.903
△	0.000		
◇	6.000		

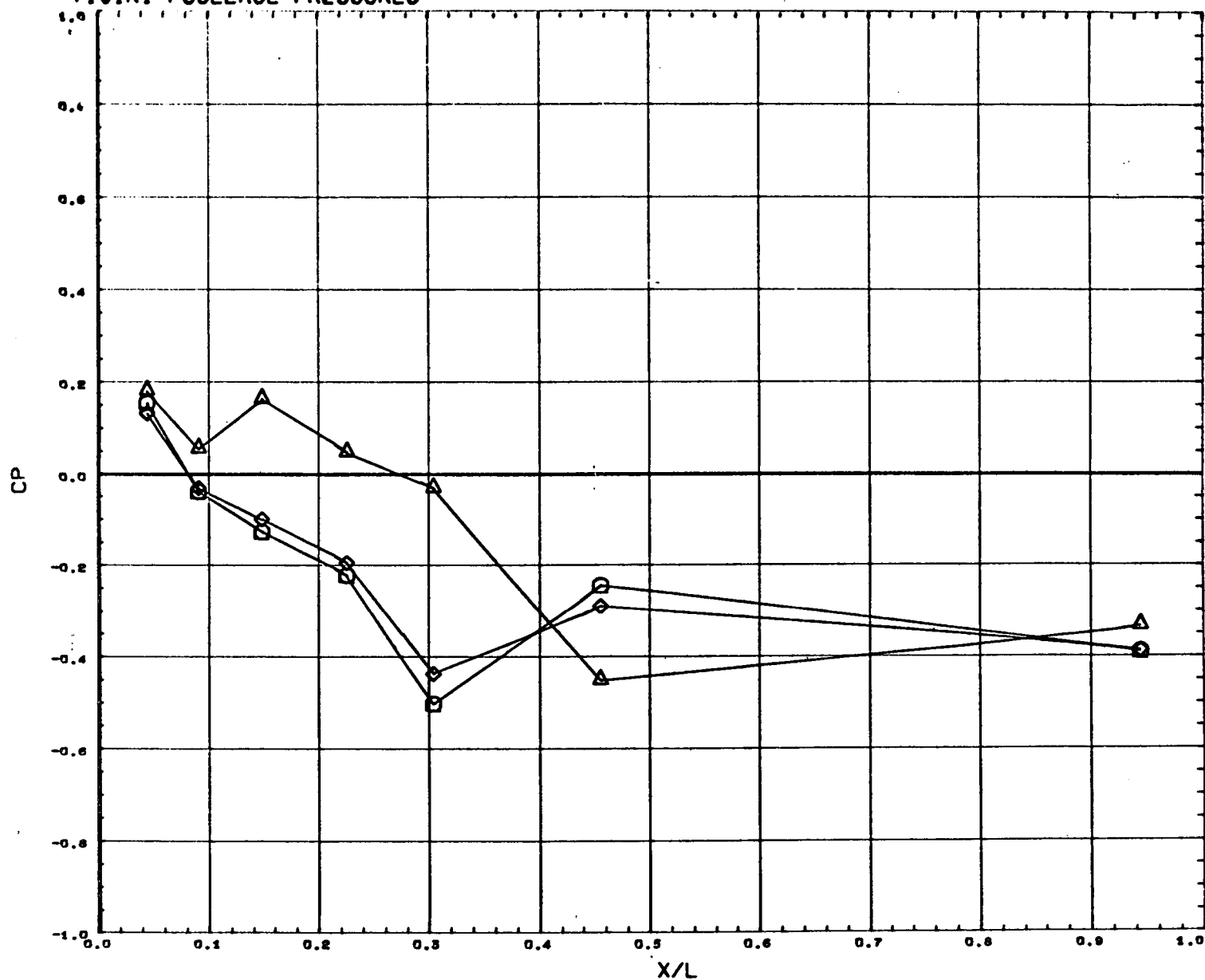
PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67006)

PAGE 39

T101R1 FUSELAGE PRESSURES

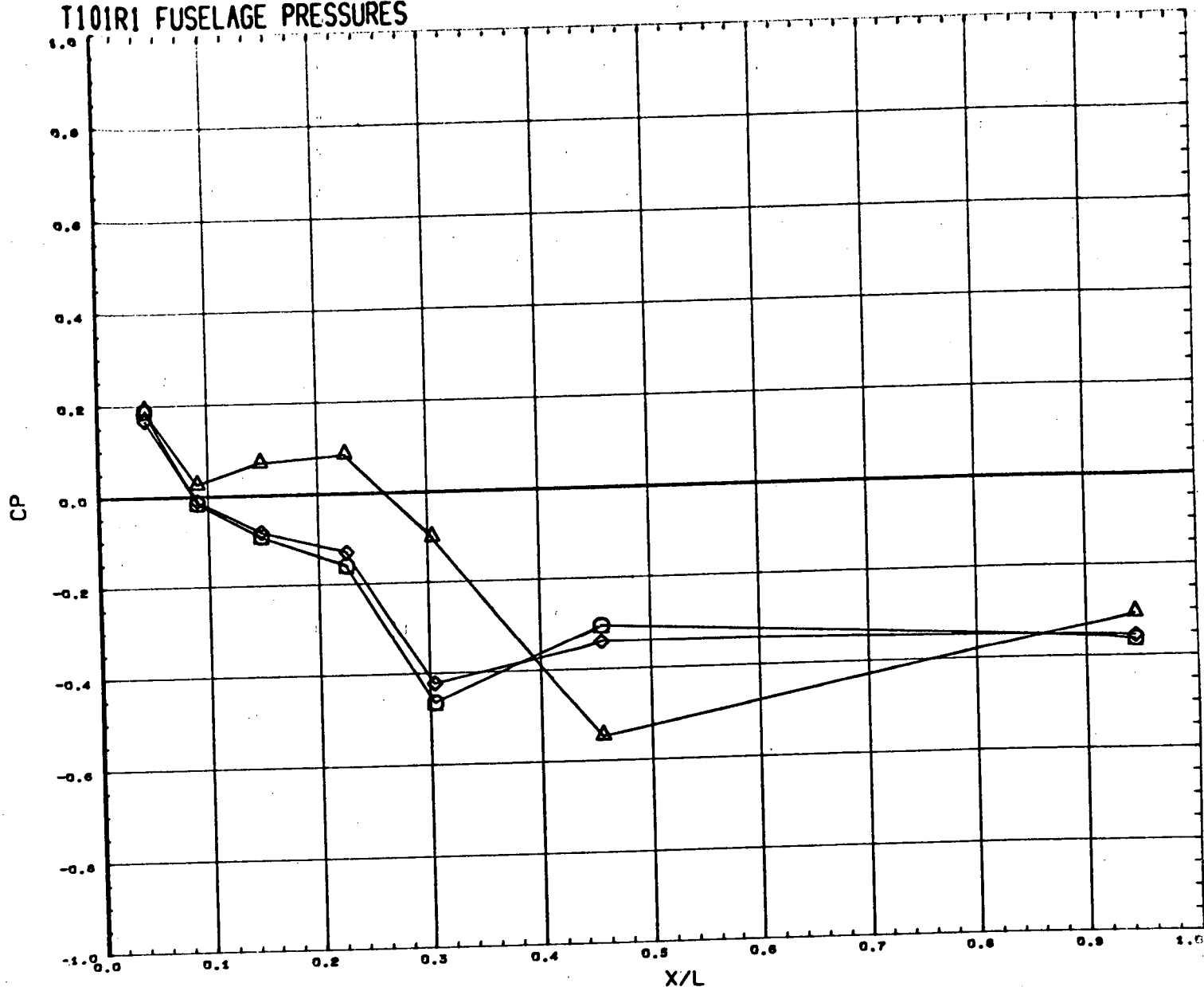


SYMBOL	BETA	THETA	MACH
○	6.000	0.000	1.101
△	0.000		
◇	6.000		

PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.500

REFERENCE FILE

T101R1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	1.198
△	0.000		
◇	6.000		

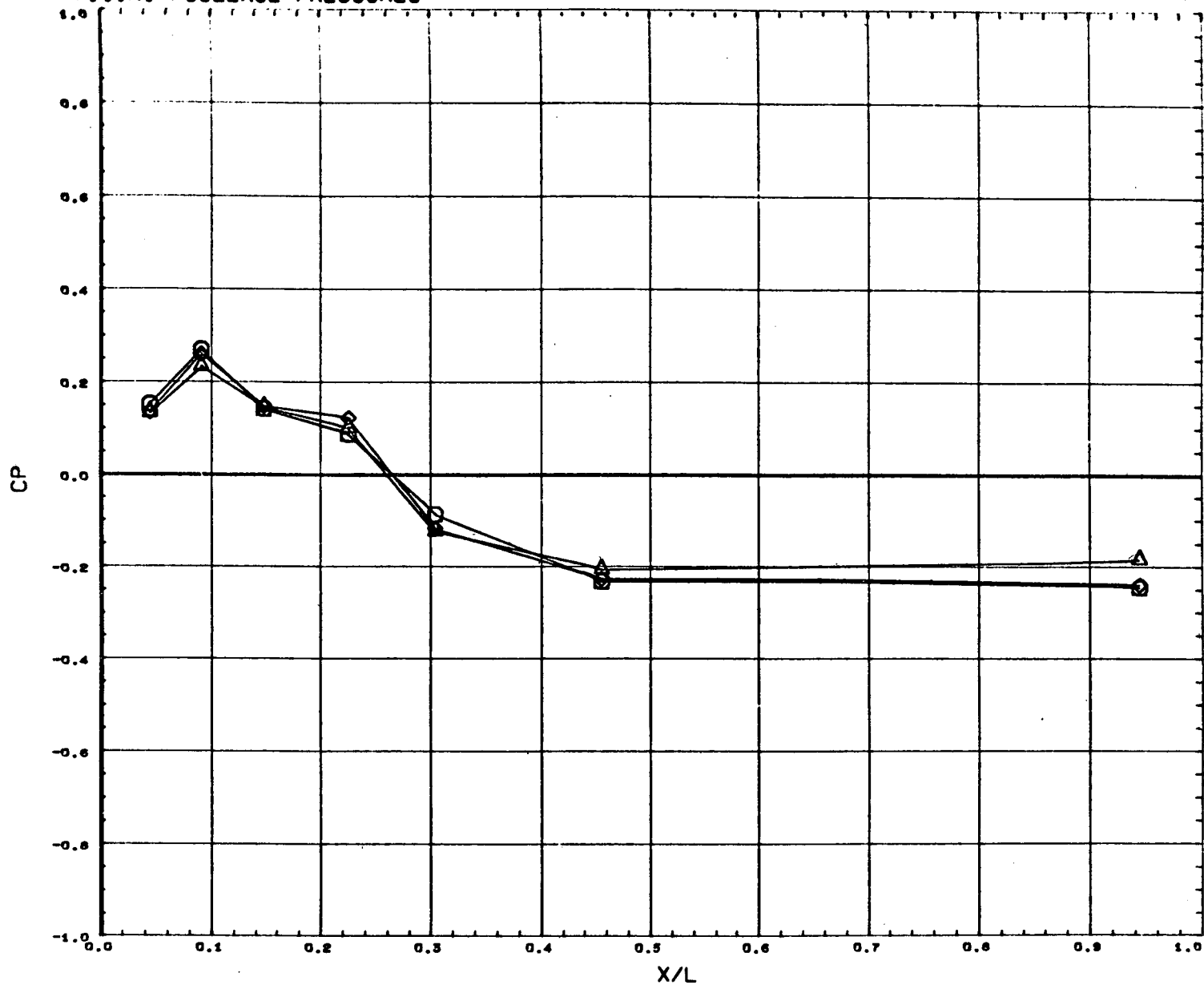
PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67006)

PAGE 41

T101R1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	- 6.000	0.000	1.957
△	0.000		
◇	6.000		

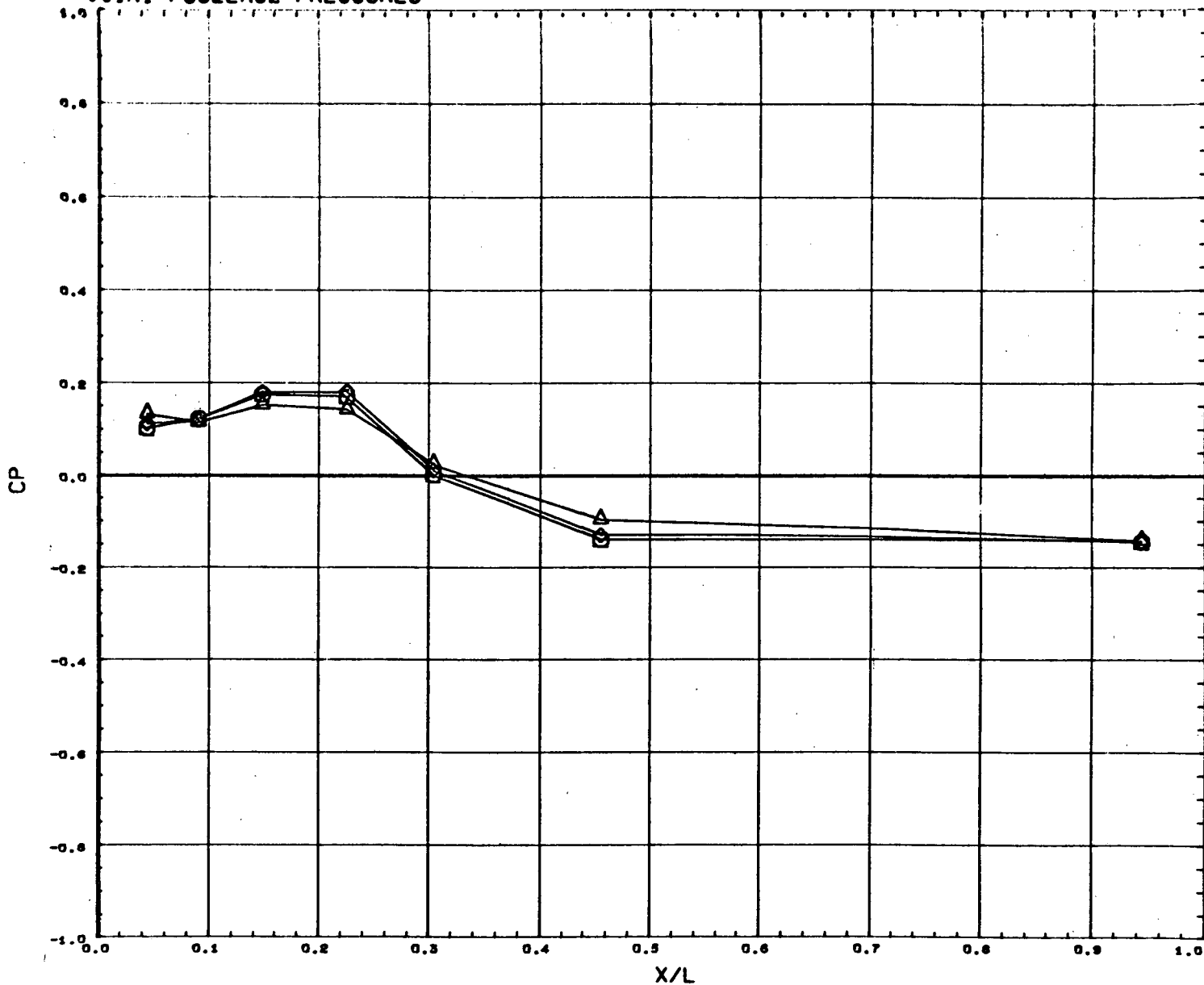
PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67006)

PAGE 42

T101R1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	0.000	0.000	2.740
△	0.000		
◇	0.000		

PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500

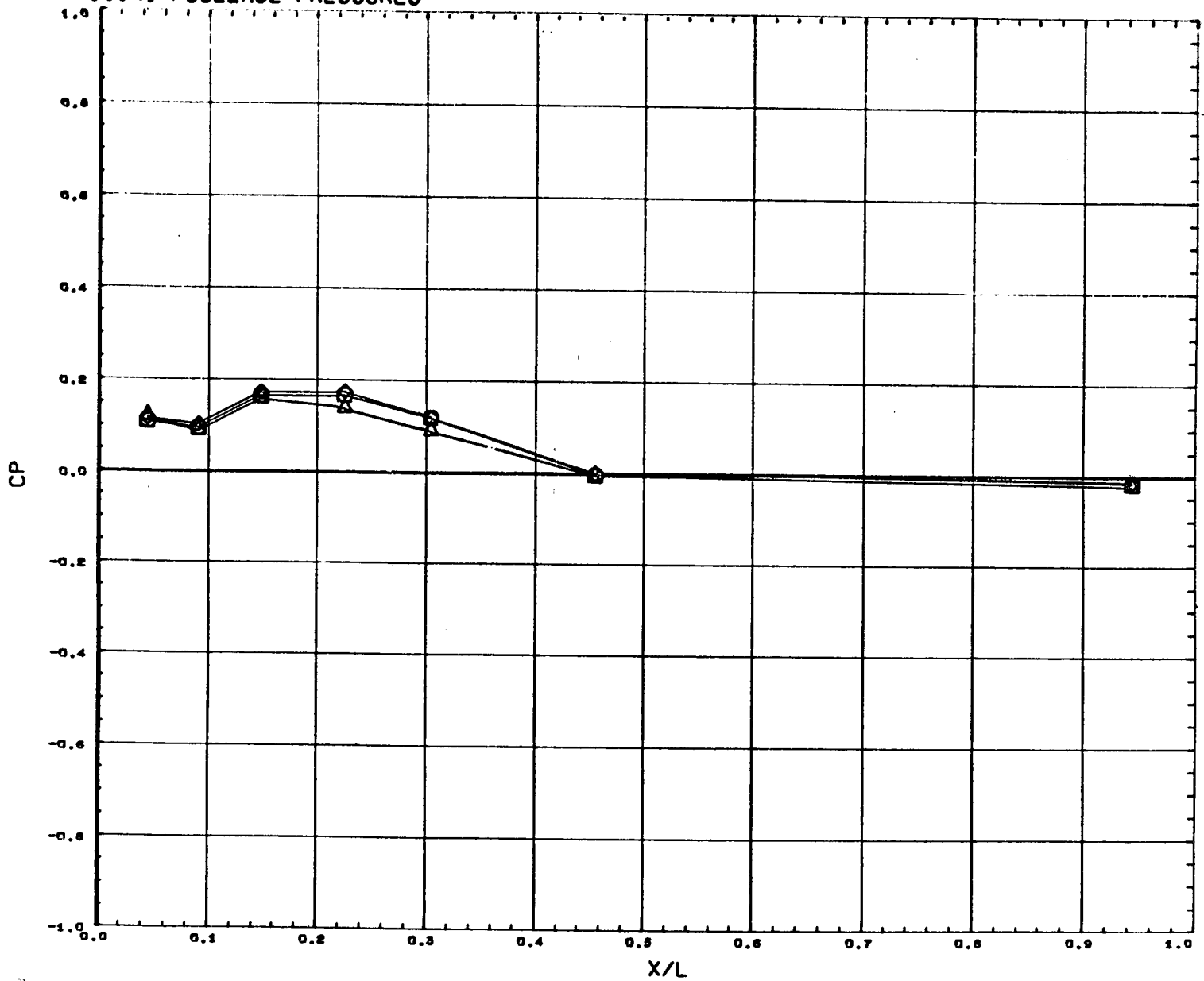
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67006)

PAGE 43

F

T101R1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	4.960
△	0.000		
◇	6.000		

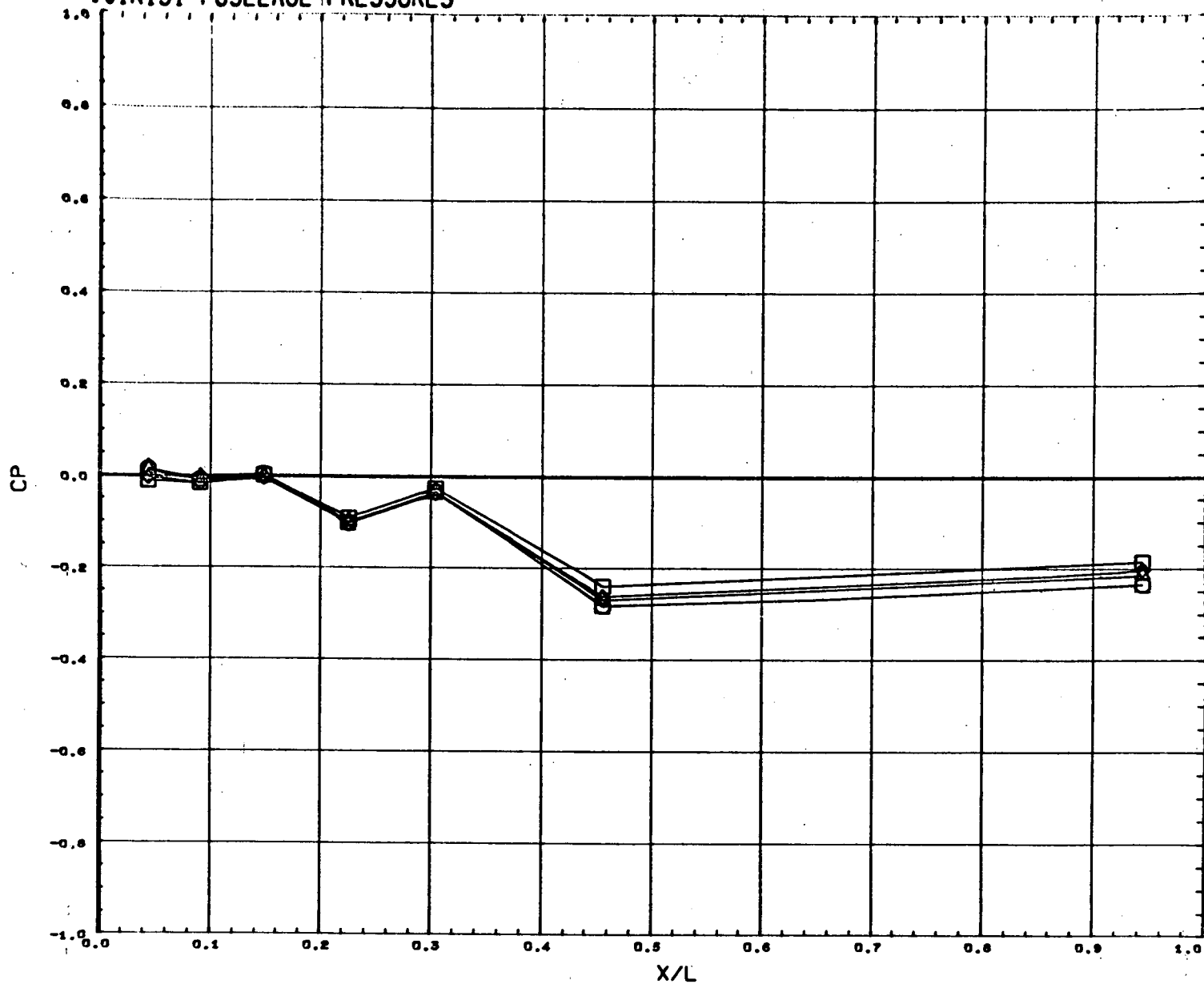
PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1 (FUSELAGE) (A67006)

PAGE 44

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	0.602
△	4.000		
◇	2.000		
□	0.000		

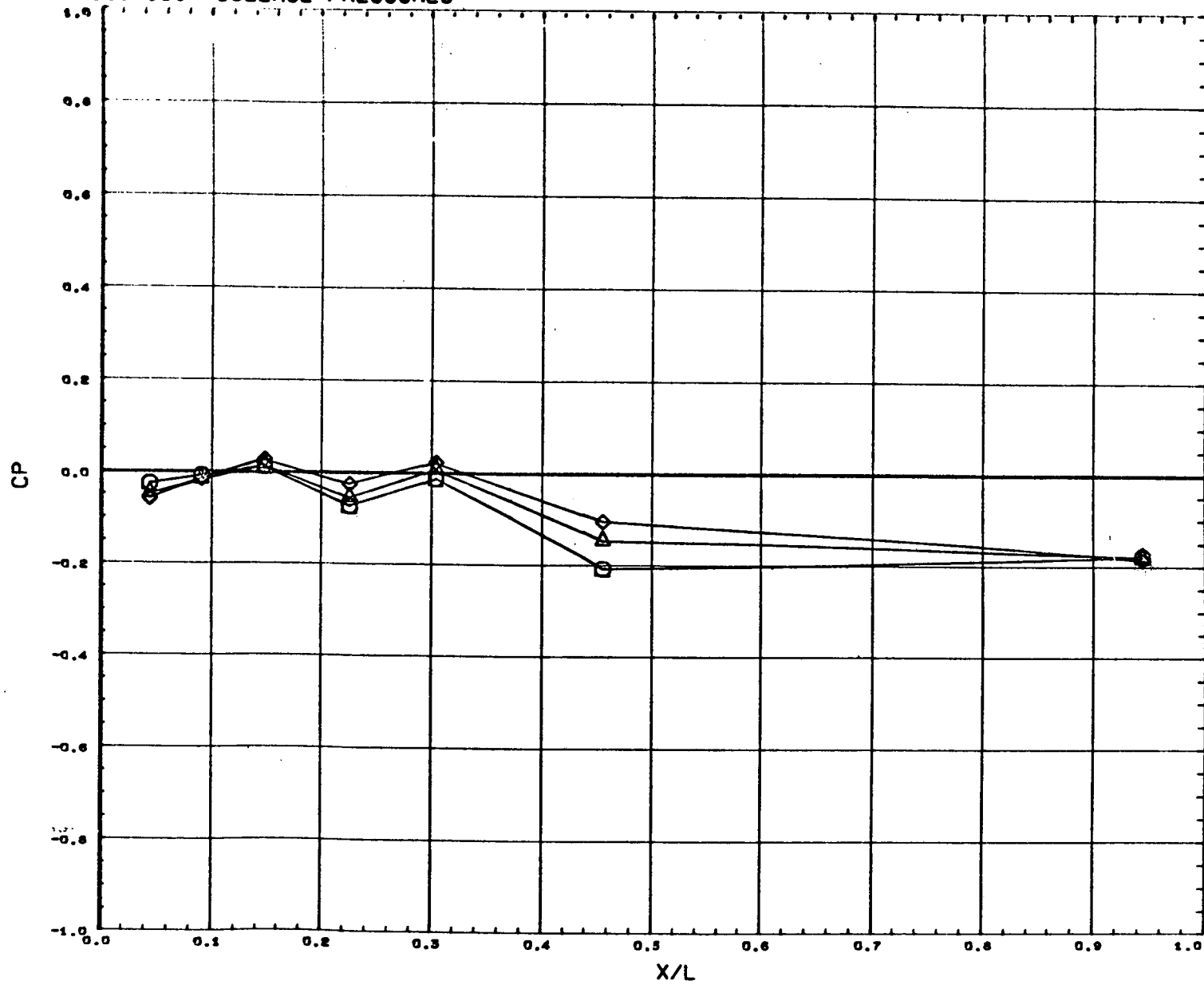
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.500
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67007)

PAGE 45

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	2.000	0.000	0.602
△	4.000		
◇	6.000		

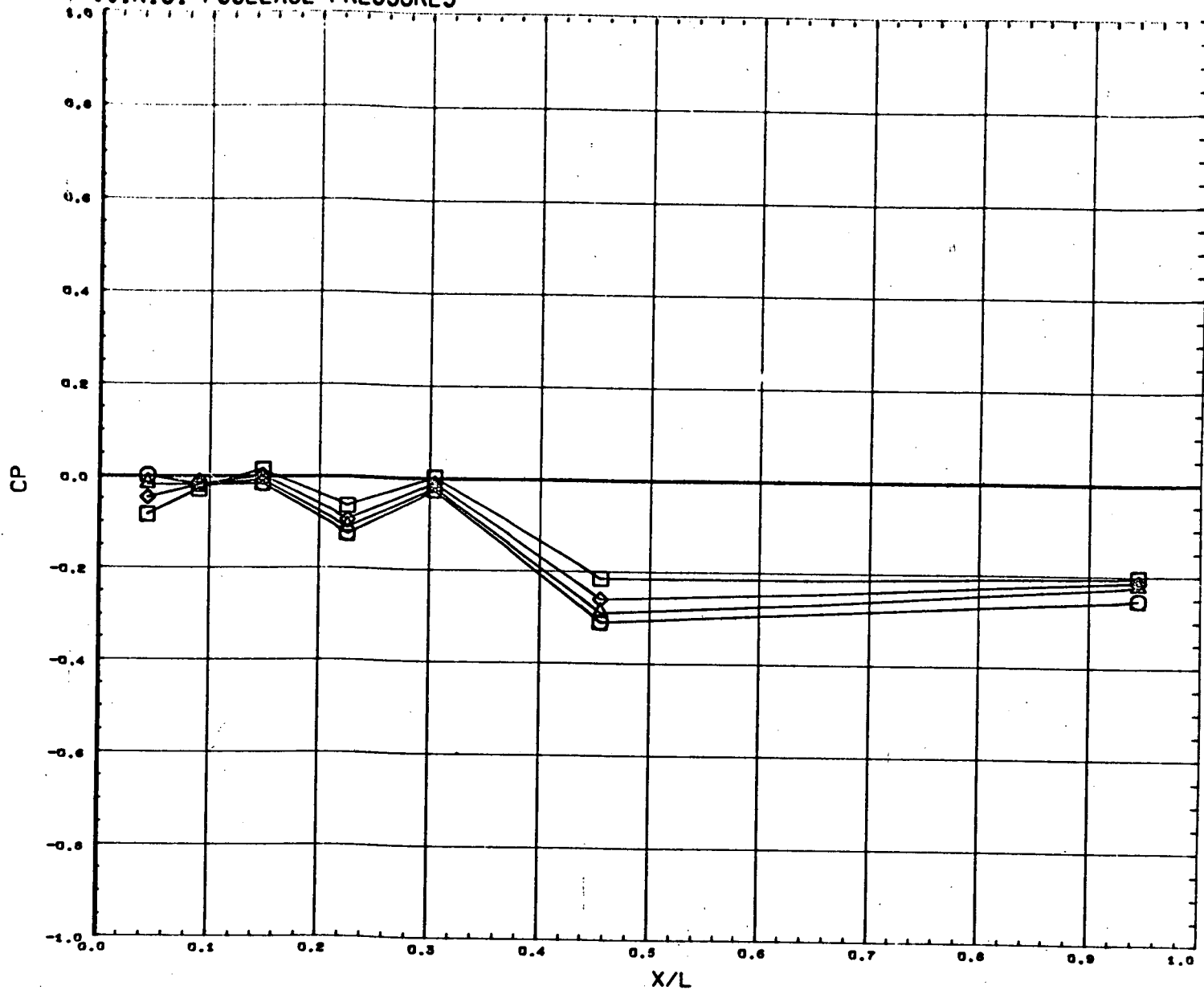
PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67007)

PAGE 46

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	0.798
△	4.000		
◇	2.000		
□	0.000		

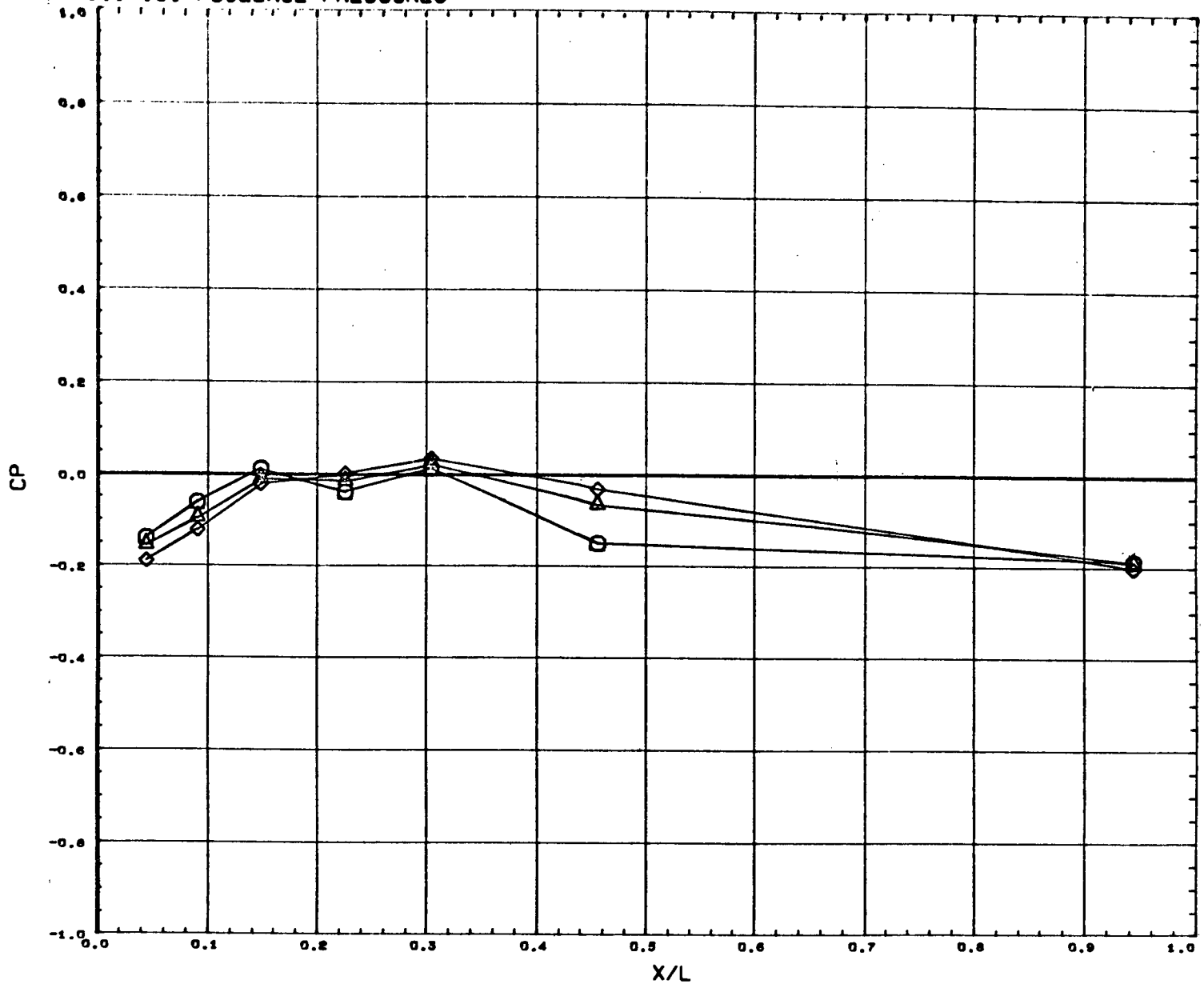
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.000
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67007)

PAGE 47

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	2.000	0.000	0.798
△	4.000		
◇	6.000		

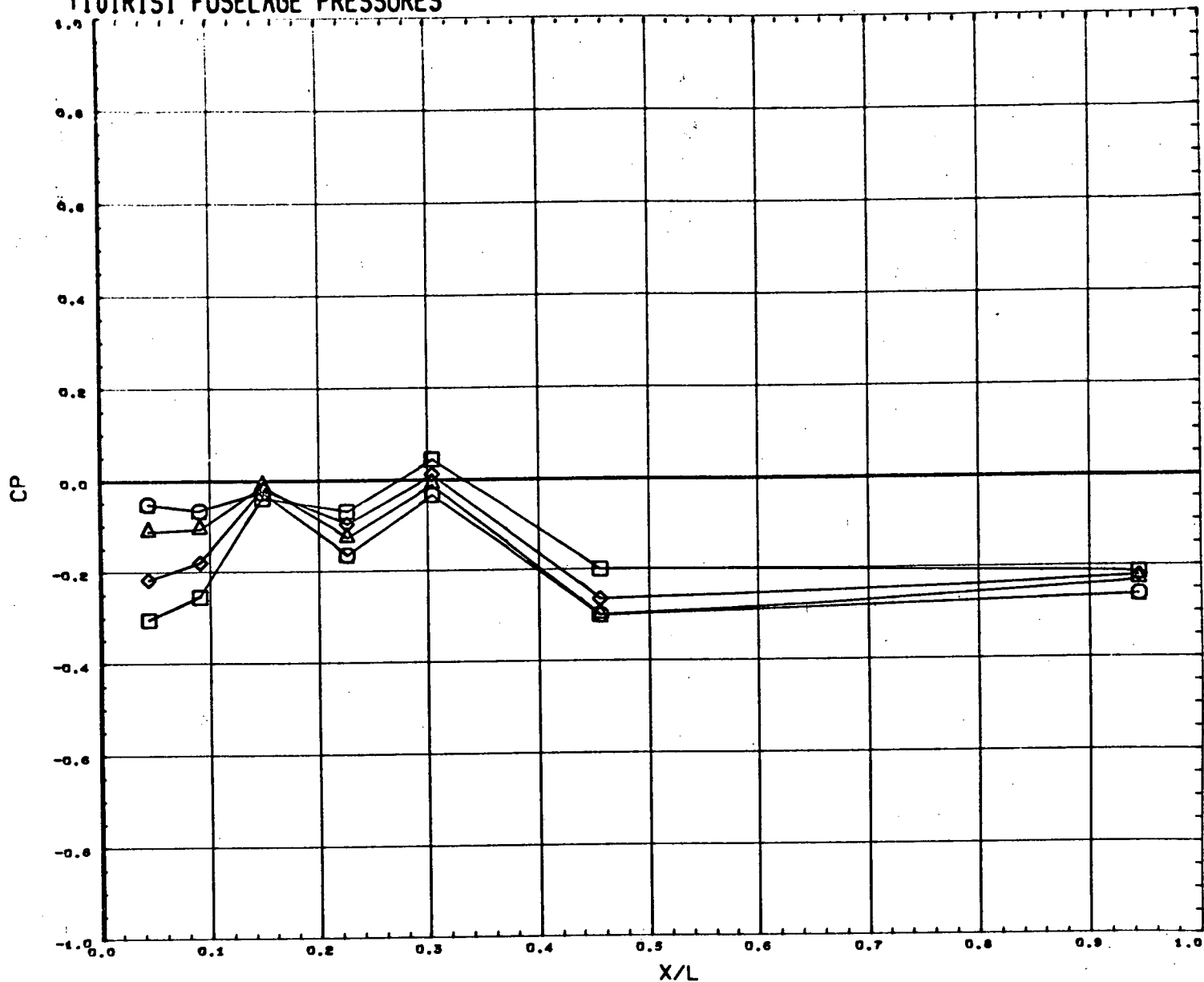
PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500
 SANGLE 21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67007)

PAGE 48

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	0.901
△	4.000		
◇	2.000		
□	0.000		

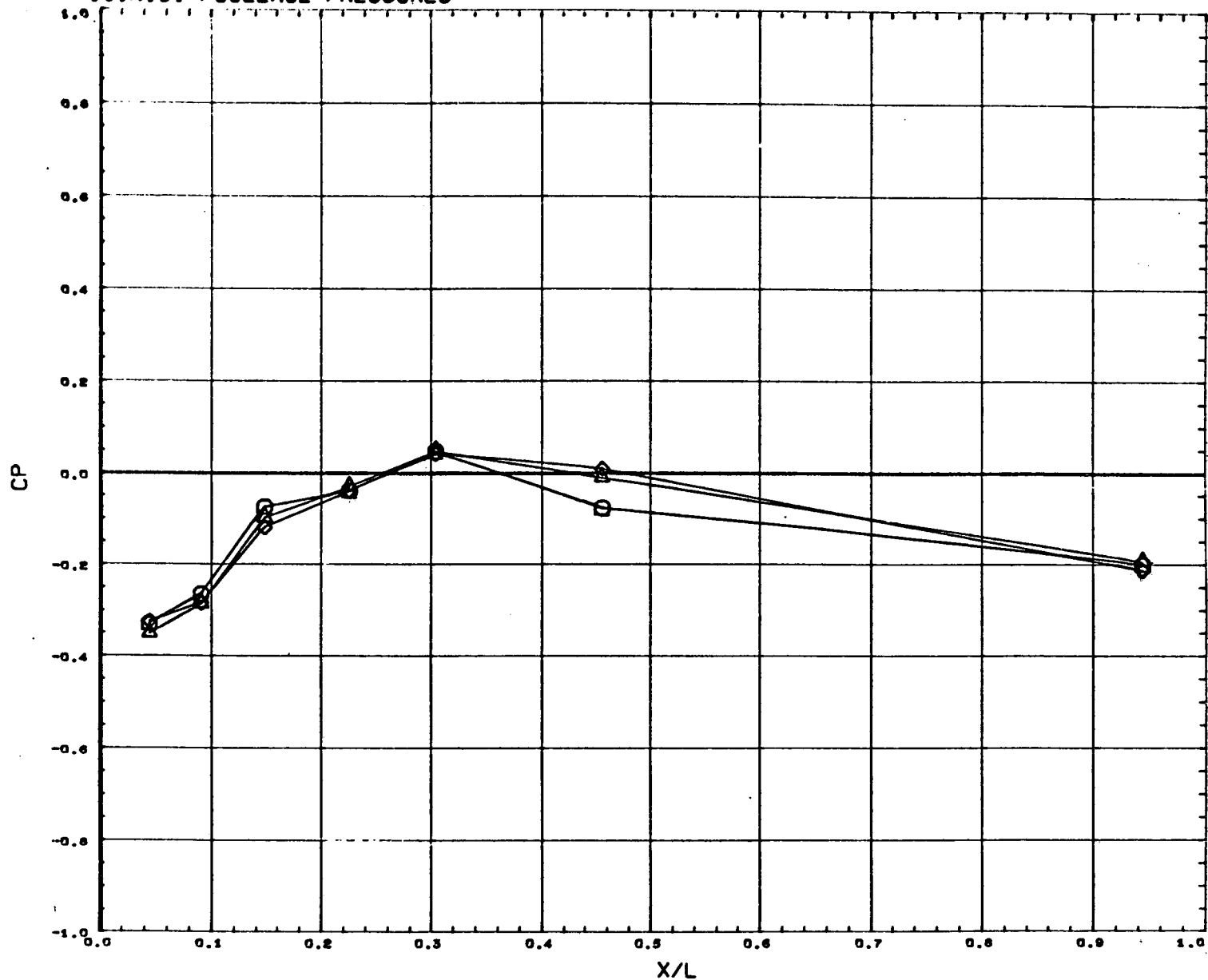
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.500
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67007)

PAGE 49

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	2.000	0.000	0.991
△	4.000		
◇	6.000		

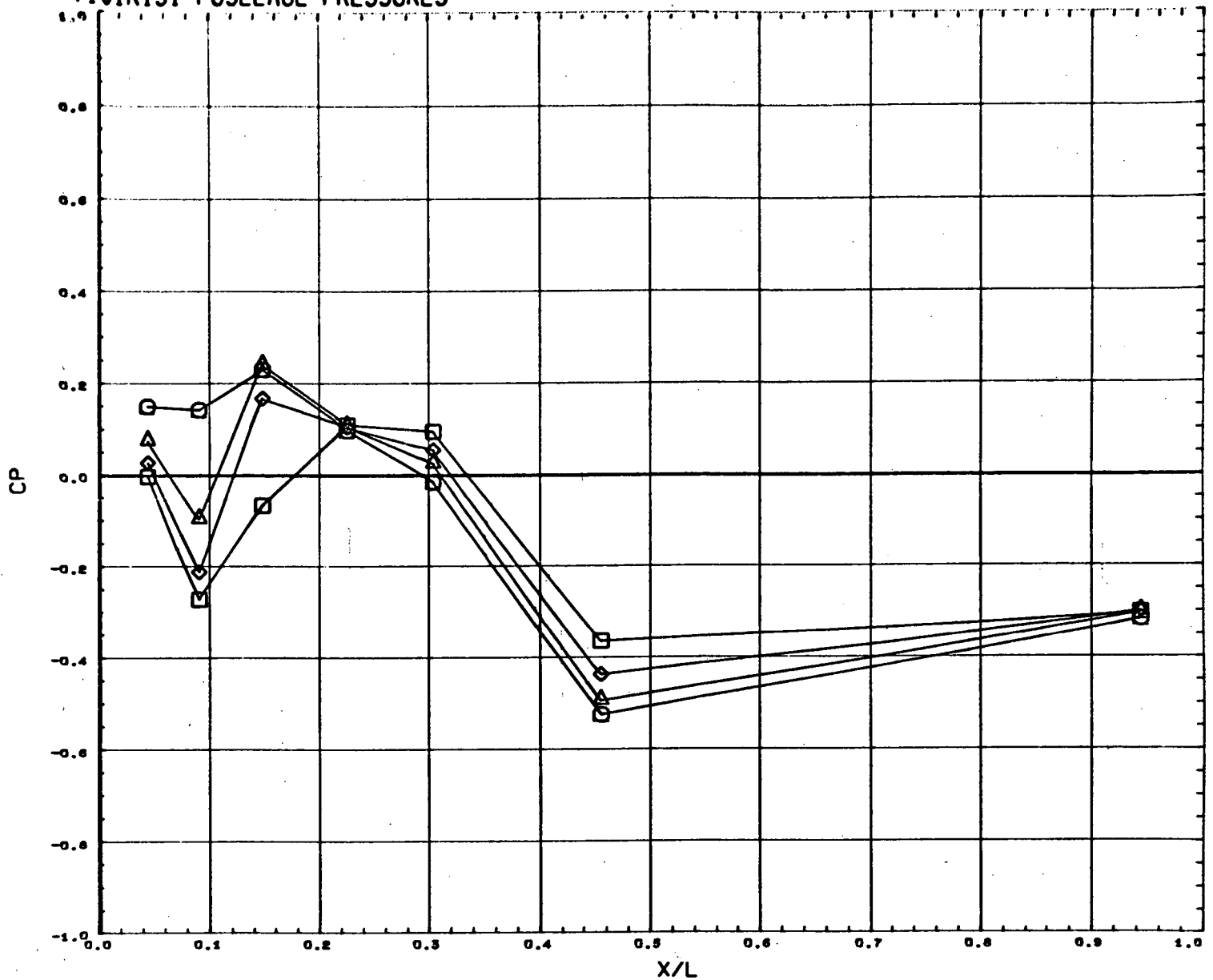
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.500
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67007)

PAGE 50

T101RIS1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	- 6.000	0.000	1.103
△	- 4.000		
◇	- 2.000		
□	- 0.000		

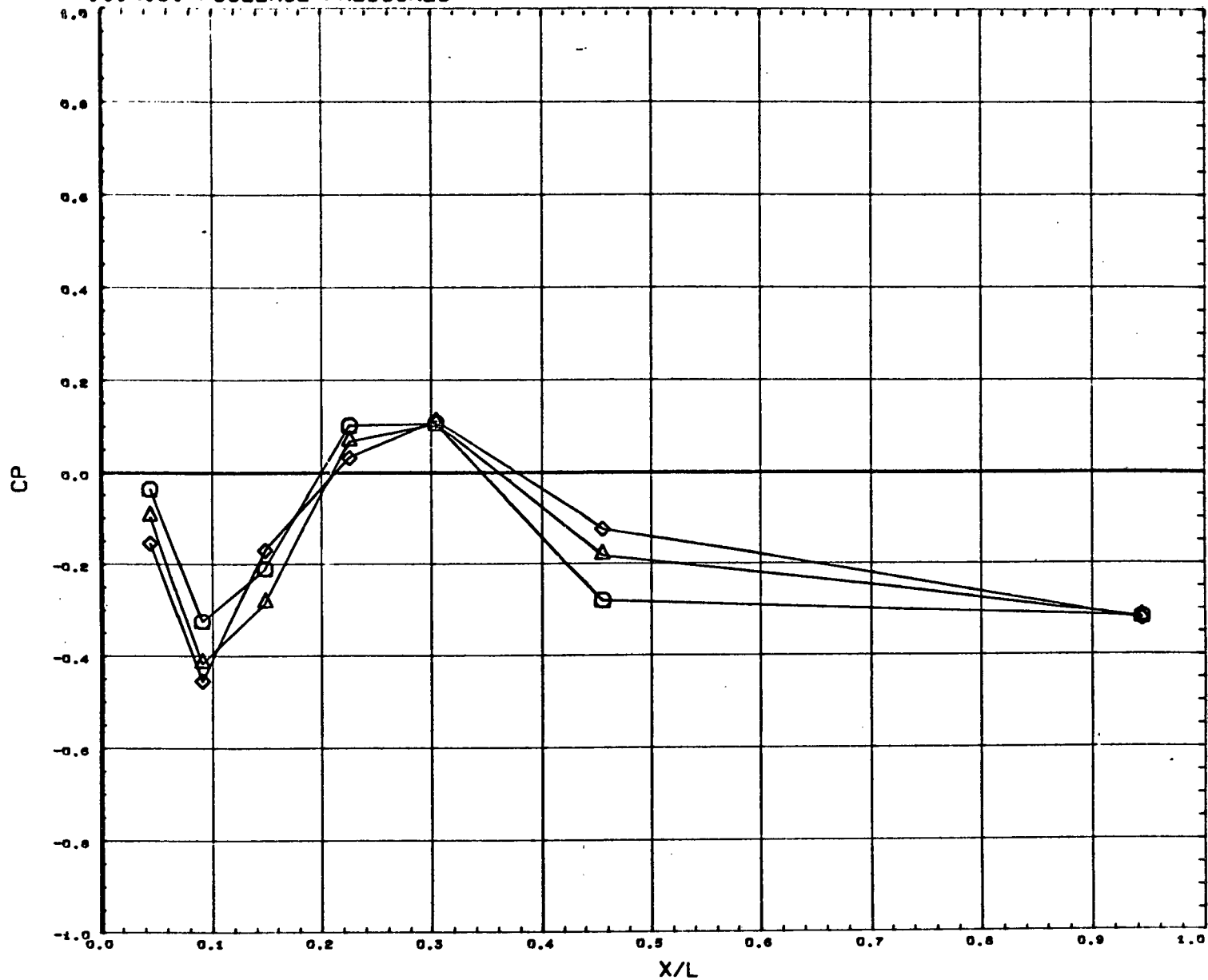
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.500
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101RIS1(FUSELAGE) (A67007)

PAGE 51

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	2.000	0.000	1.103
△	4.000		
◇	6.000		

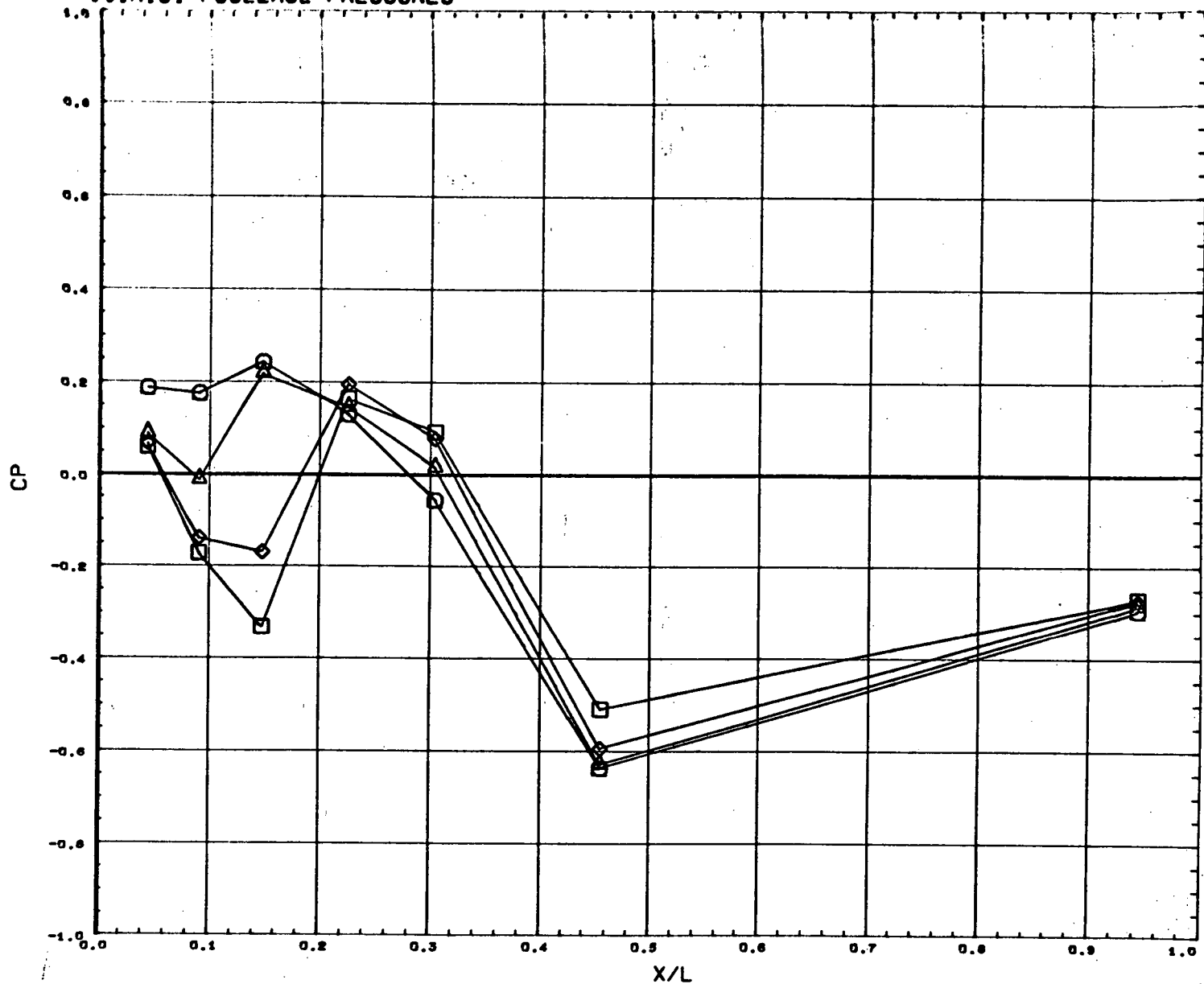
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.500
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67007)

PAGE 52

T101R1S1 FUSELAGE PRESSURES

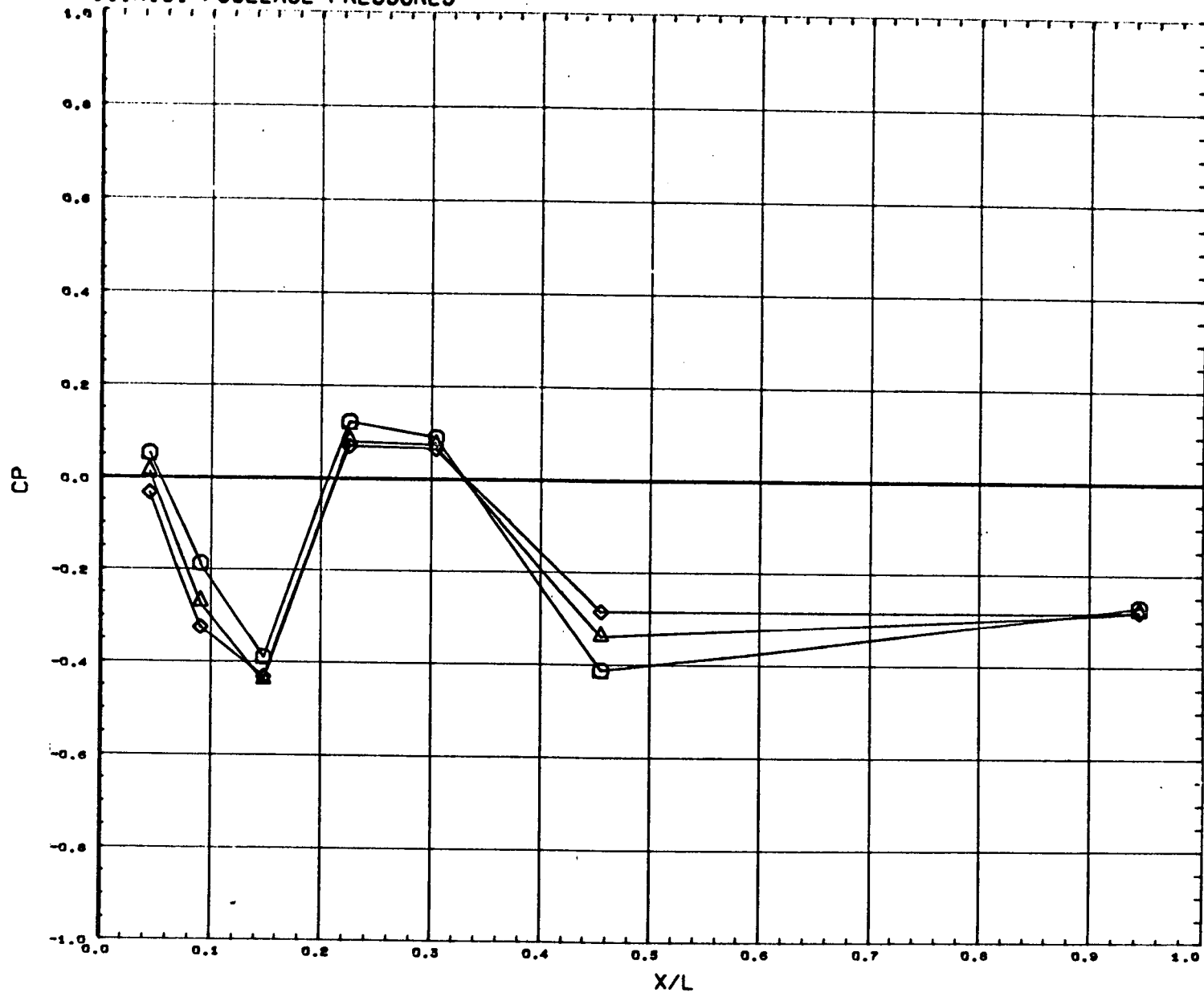


SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	1.200
△	4.000		
◇	2.000		
□	0.000		

PARAMETRIC VALUES	
BETA	0.000
SANGLE	21.000
ORINC	- 1.500

REFERENCE FILE

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	2.000	0.000	1.200
△	4.000		
◇	6.000		

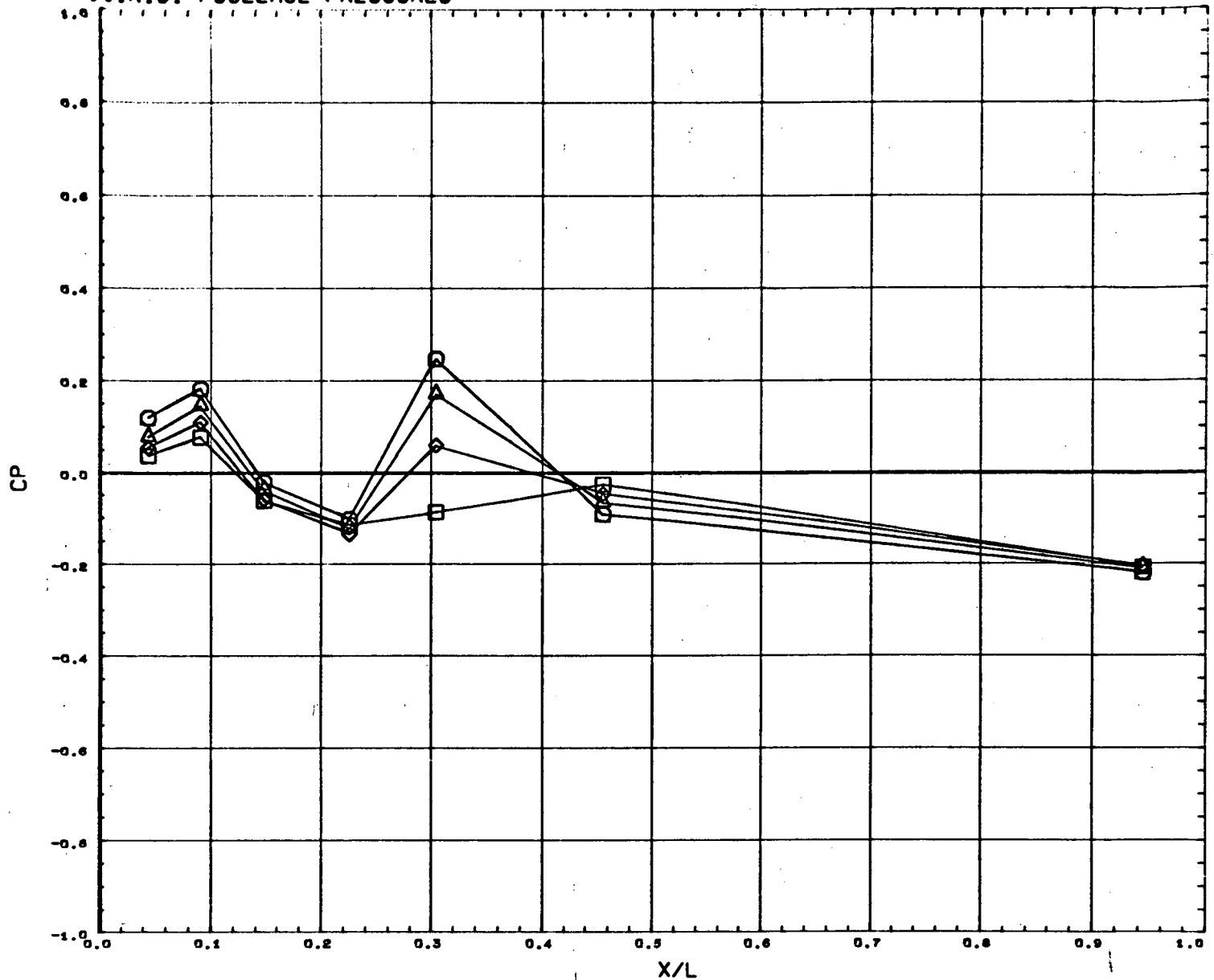
PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67007)

PAGE 54

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	1.961
△	4.000		
◇	2.000		
□	0.000		

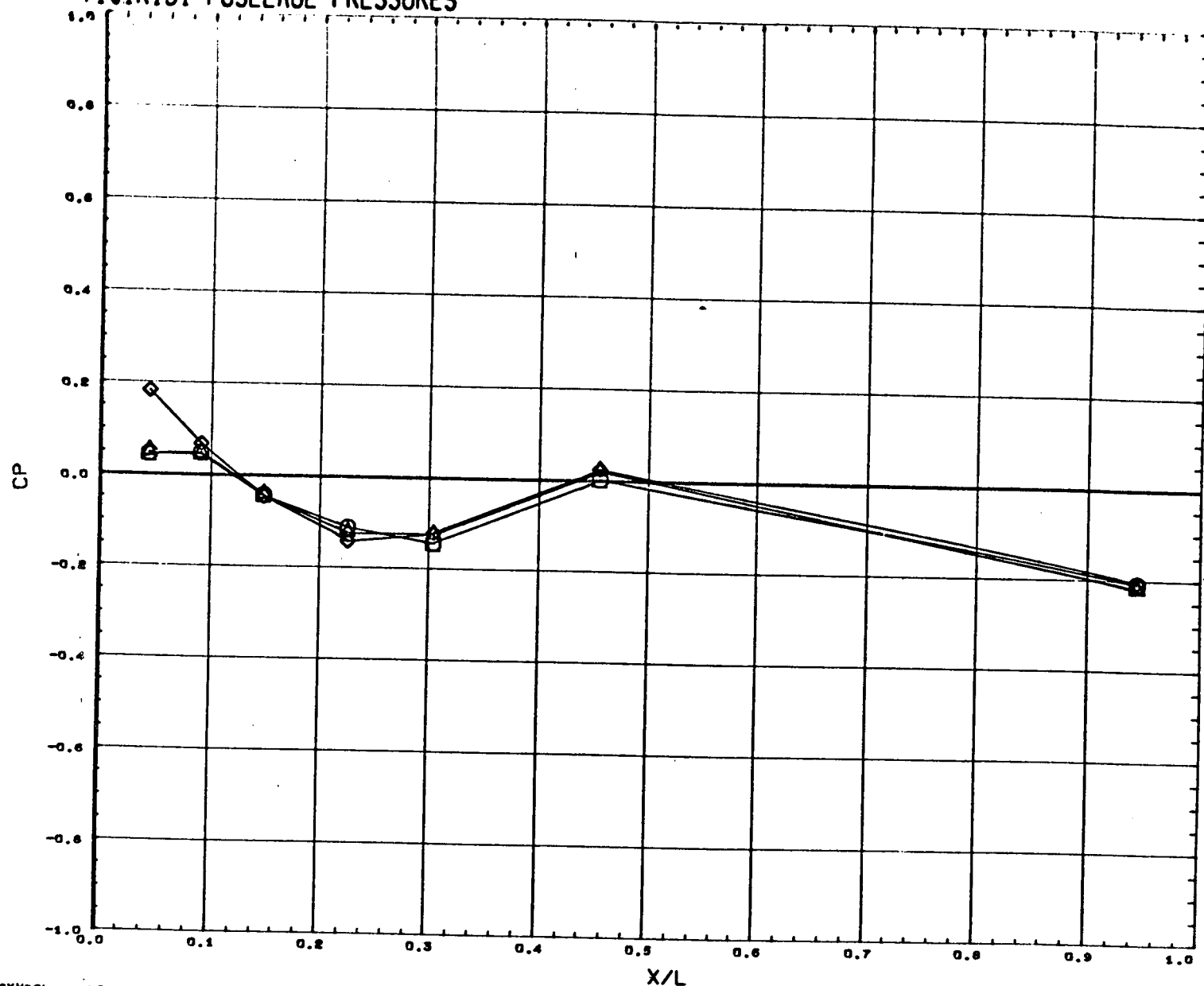
PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.900
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67007)

PAGE 55

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	2.000	0.000	1.961
△	4.000		
◇	6.000		

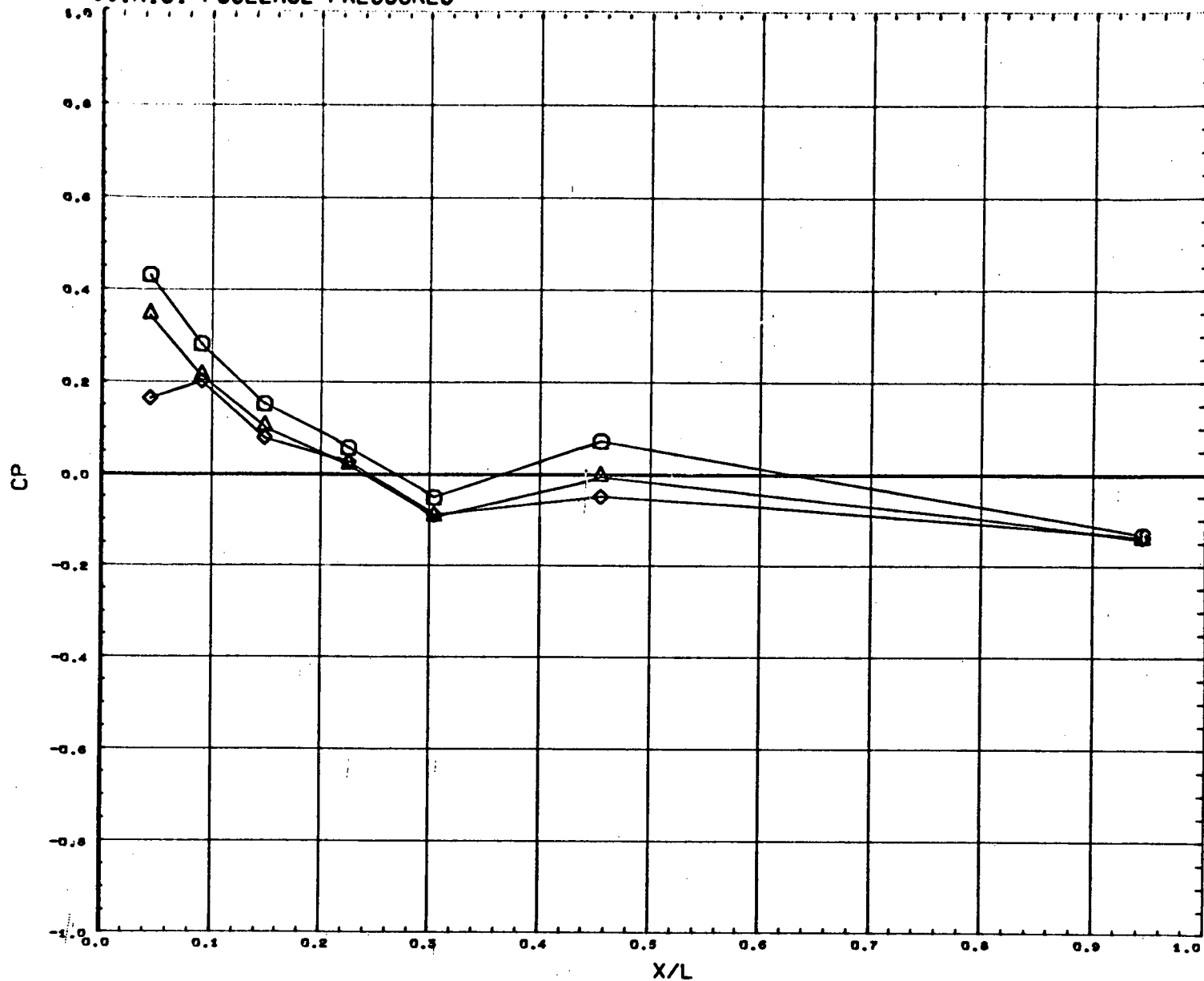
PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67007)

PAGE 56

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	2.740
△	0.000		
◇	6.000		

PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

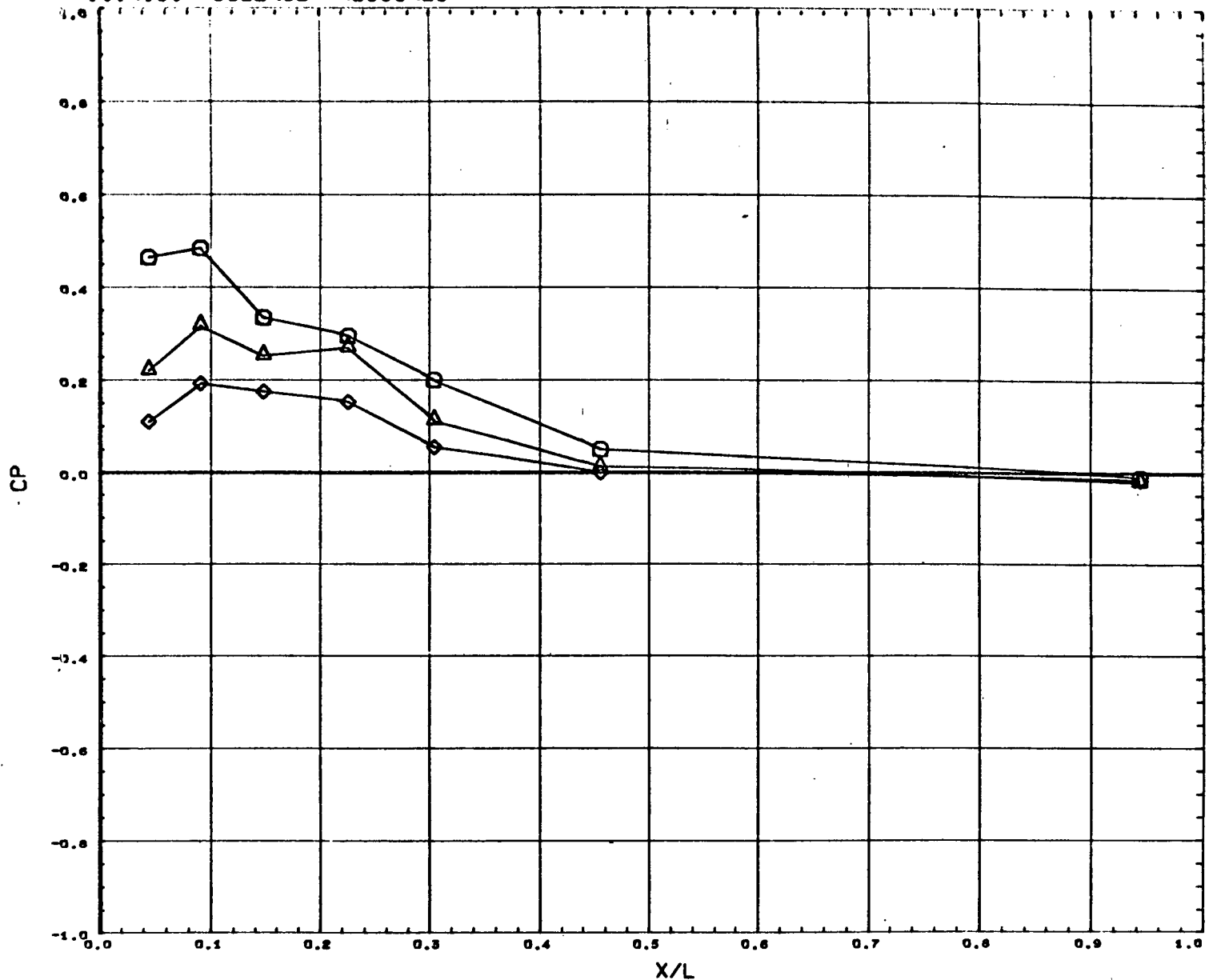
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67008)

PAGE 57

6

T101R1S1 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	4.960
△	0.000		
◇	6.000		

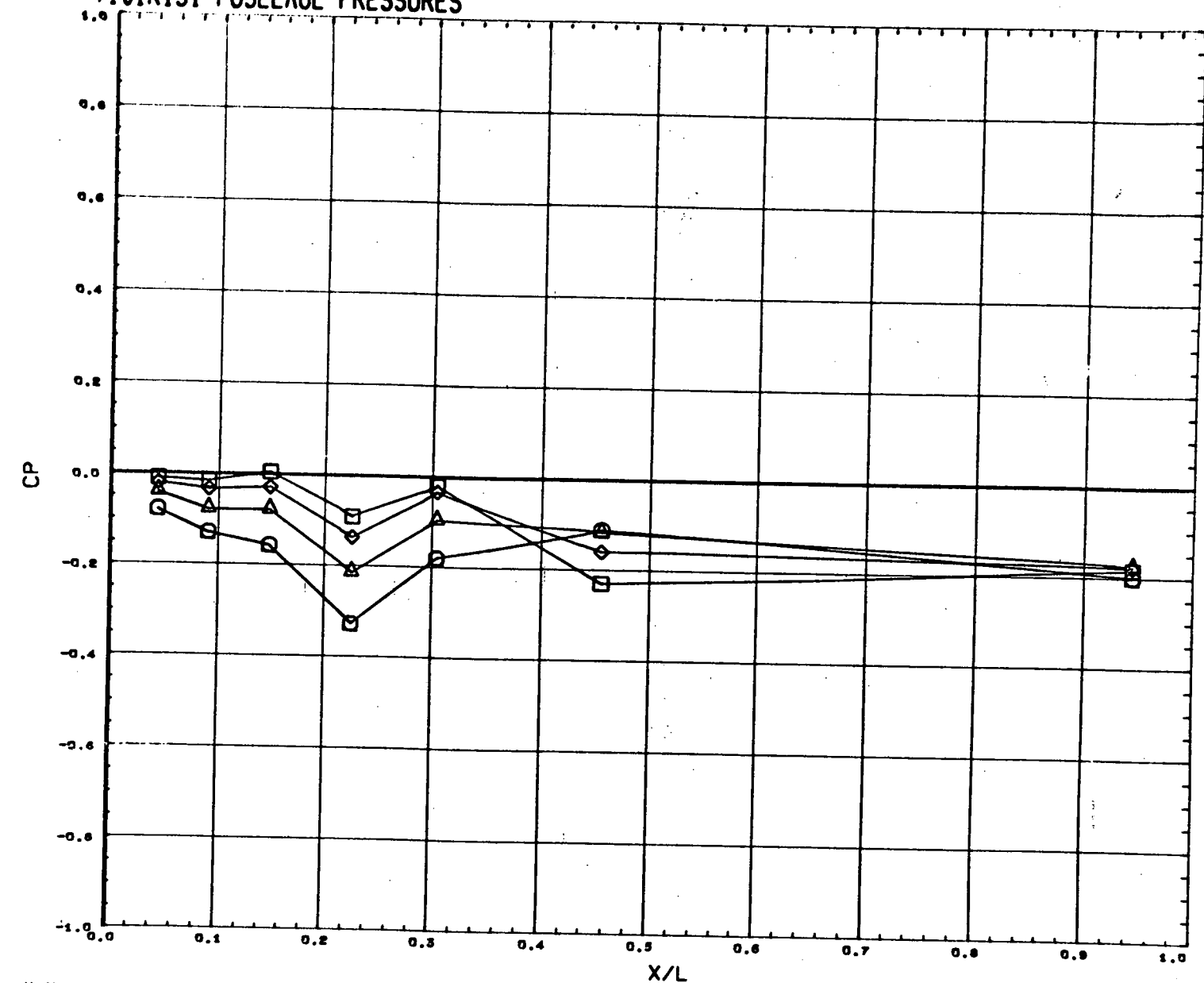
PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67008)

PAGE 58

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	0.599
△	4.000		
◇	2.000		
□	0.000		

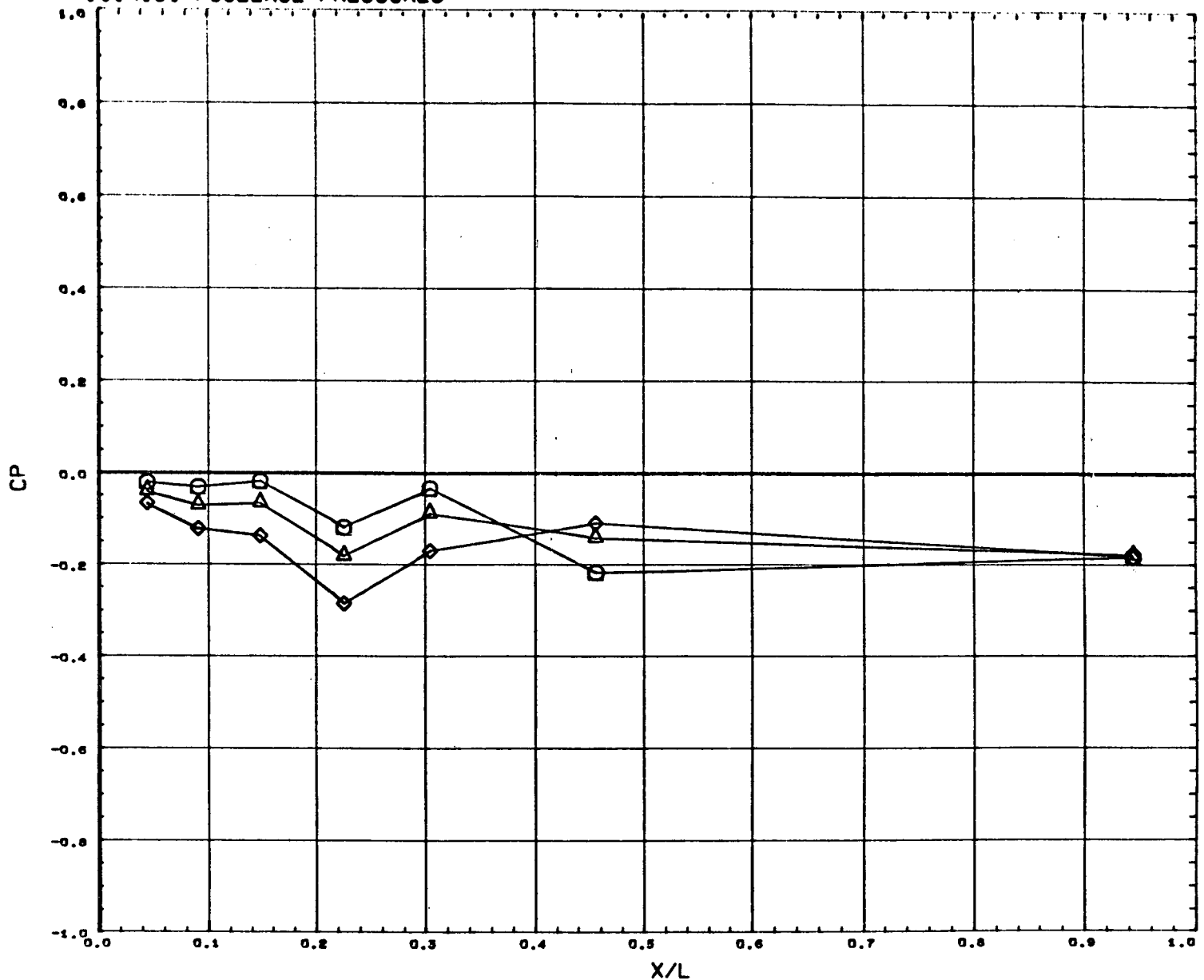
PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.500
 SANGLE 21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67009)

PAGE 59

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	2.000	0.000	0.599
△	4.000		
◇	6.000		

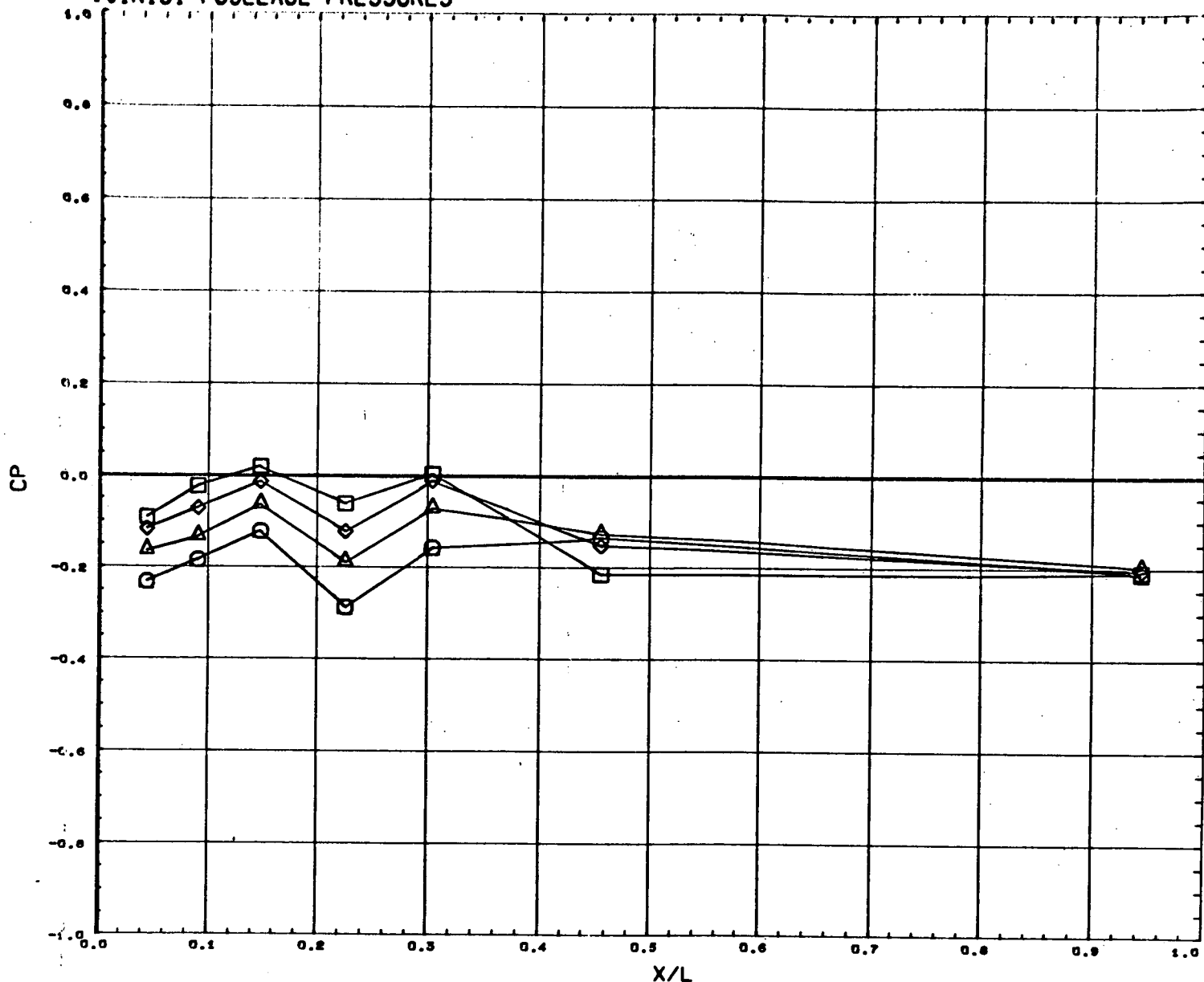
PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.500
SANGLE	21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67009)

PAGE 60

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	- 6.000	0.000	0.854
△	- 4.000		
◇	- 2.000		
□	0.000		

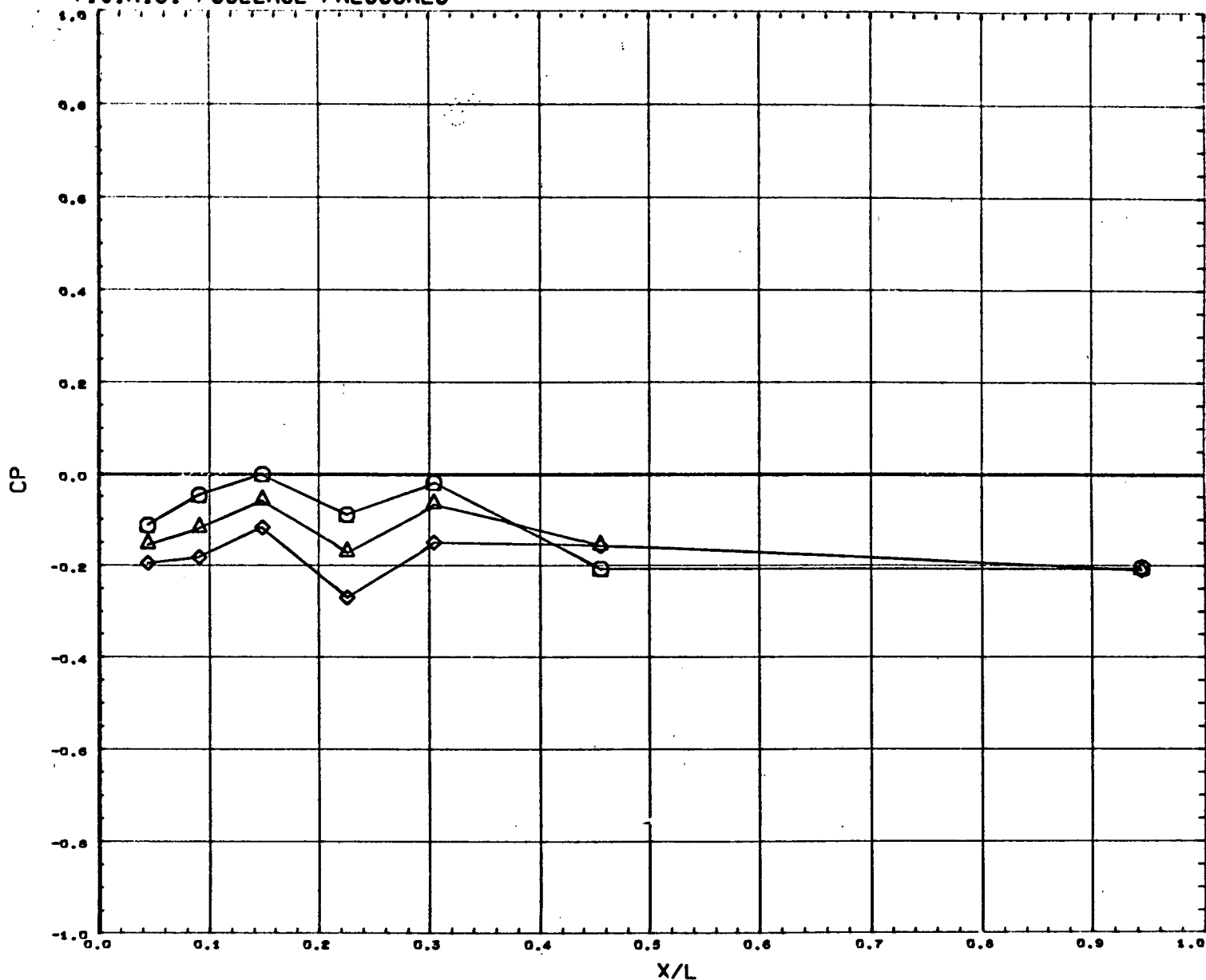
PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67009)

PAGE 61

T101R1S1 FUSELAGE PRESSURES



SYMBOL: BETA THETA MACH
 ○ 2.000 0.000 0.894
 △ 4.000
 ◇ 6.000

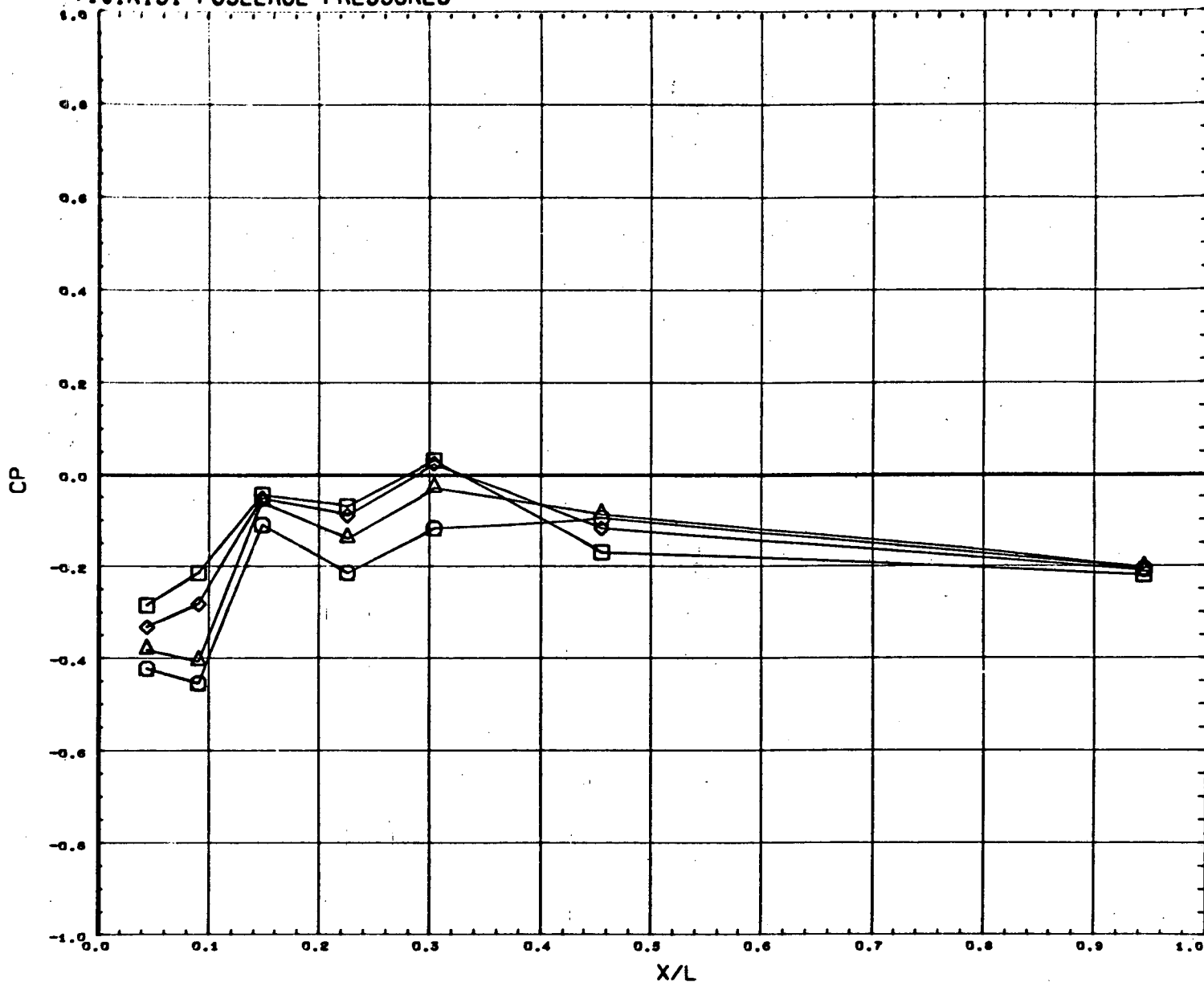
PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.990
 SANGLE 21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67009)

PAGE 62

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	0.904
△	4.000		
◇	2.000		
□	0.000		

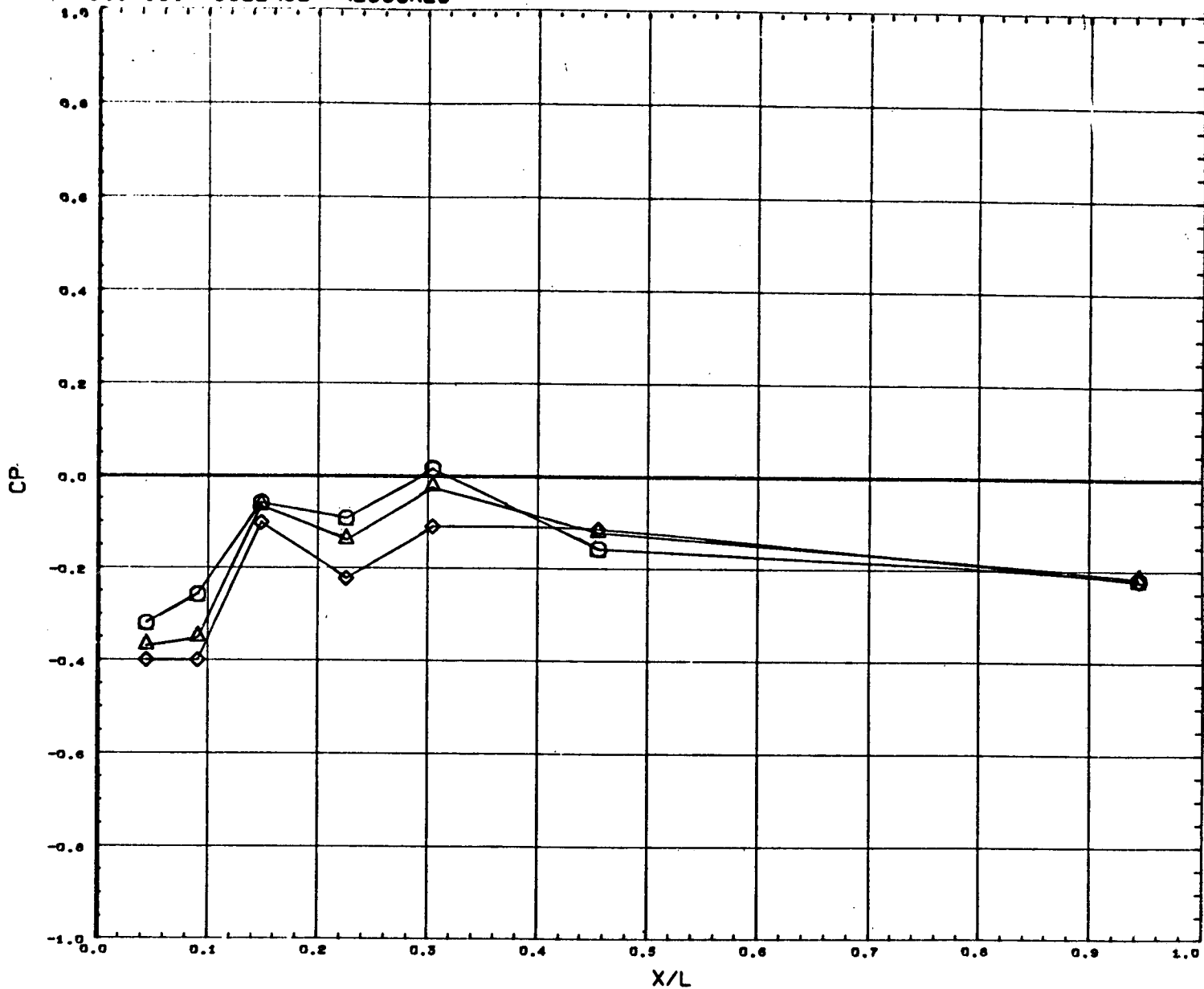
PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.500
SANGLE	21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67009)

PAGE 63

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	2.000	0.000	0.904
△	4.000		
◇	6.000		

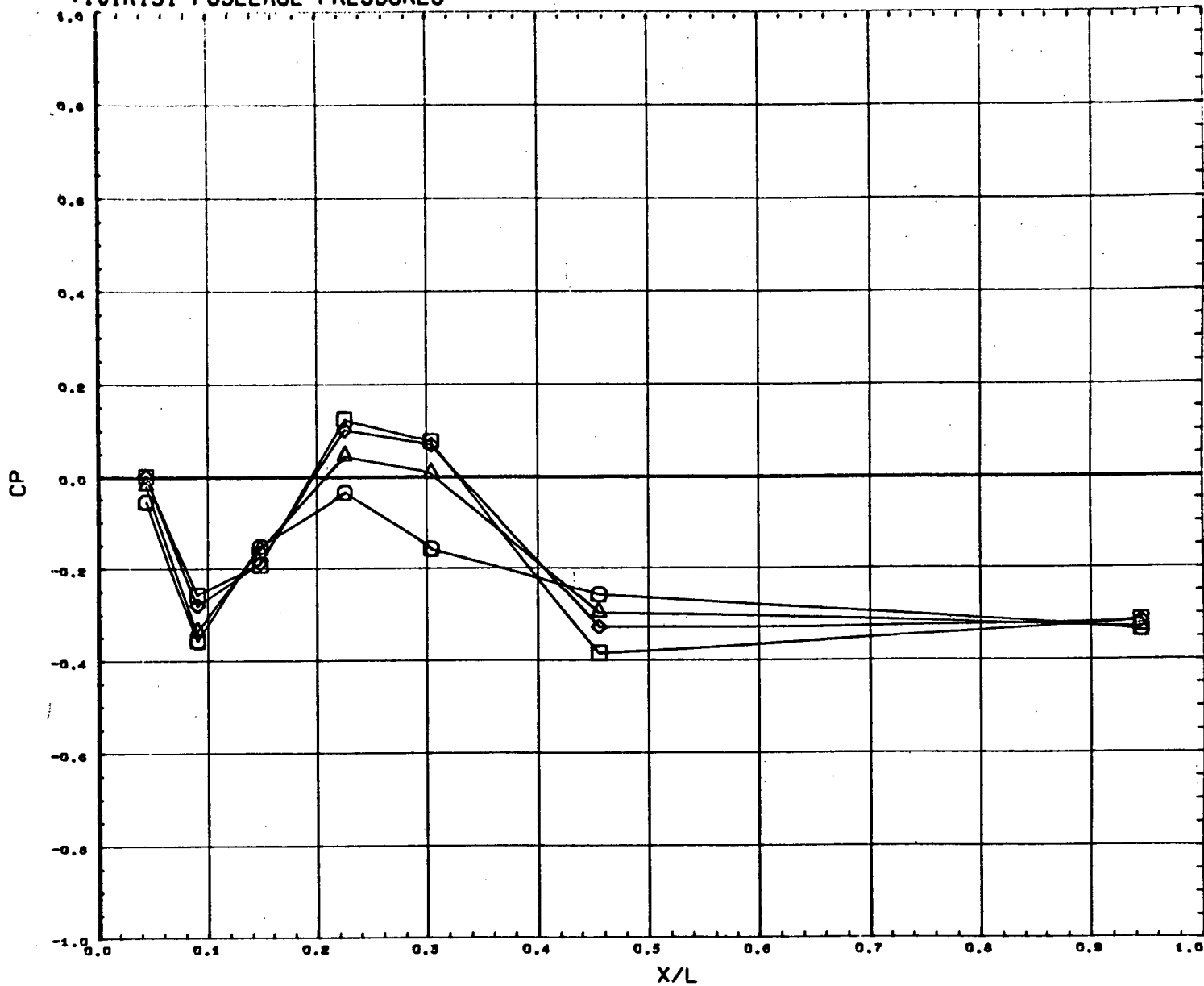
PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67009)

PAGE 64

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	1.103
△	4.000		
◇	2.000		
□	0.000		

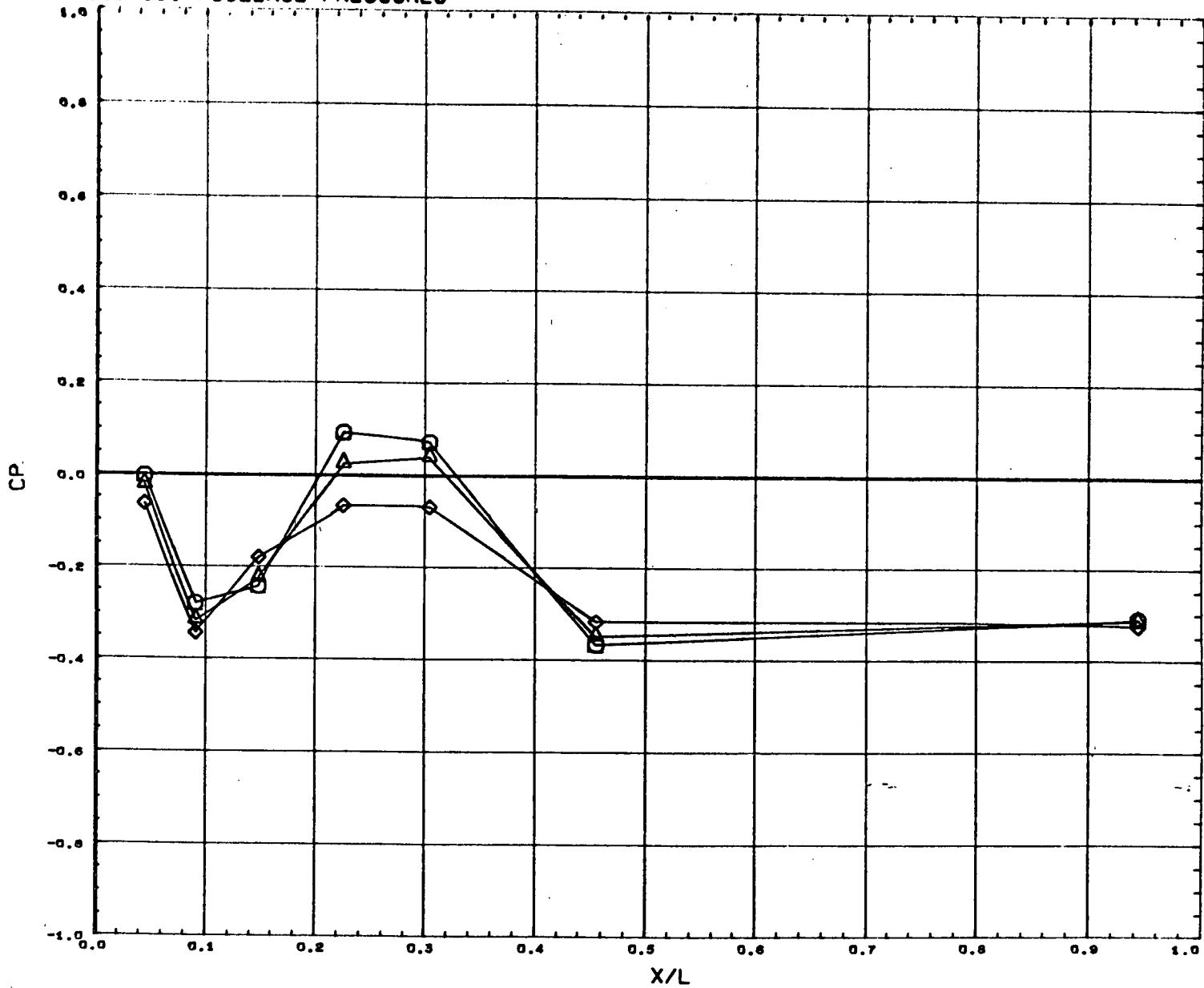
PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.500
 SANGLE 21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67009)

PAGE 65

T101R1S1 FUSELAGE PRESSURES

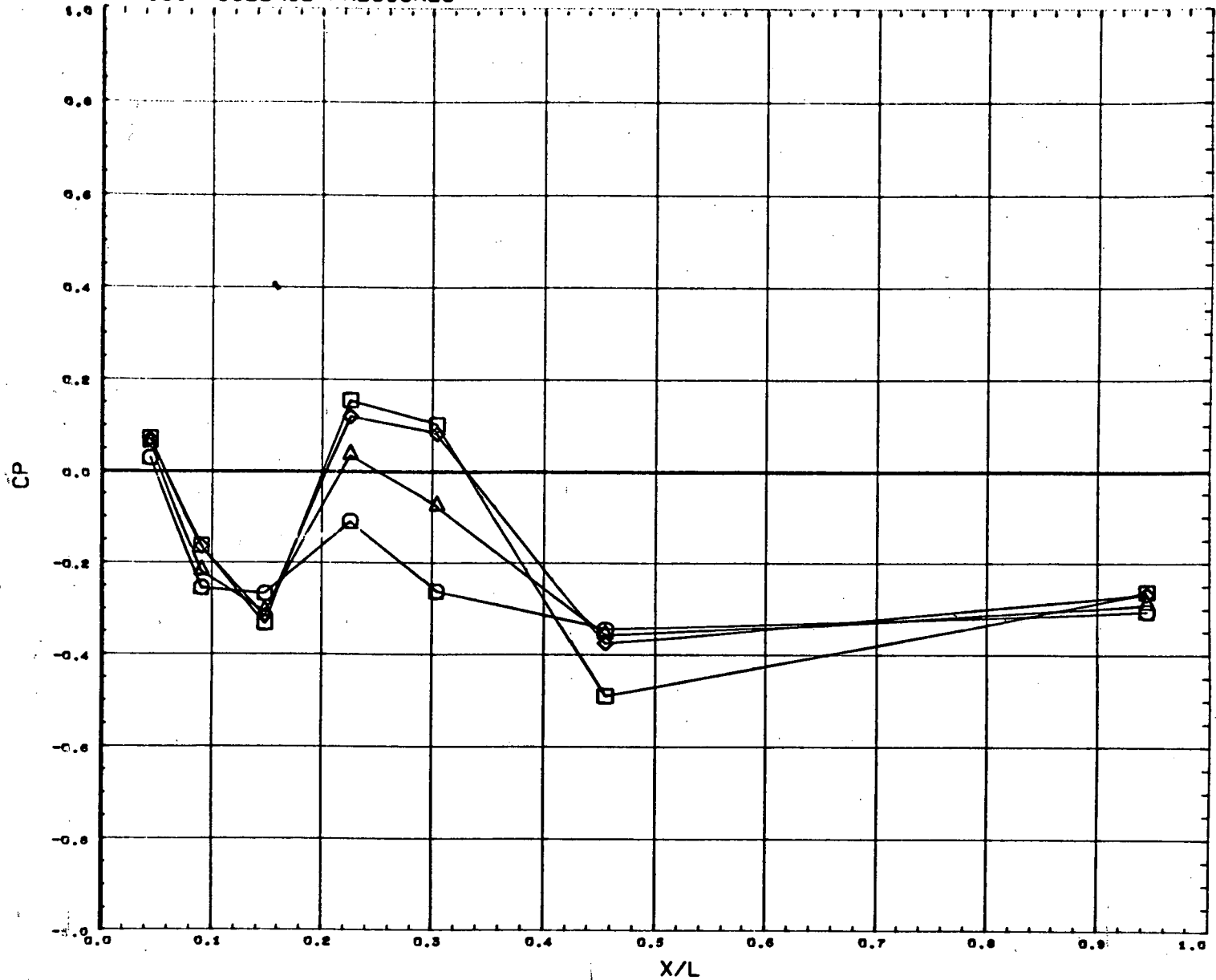


SYMBOL	BETA	THETA	MACH
○	2.000	0.000	1.193
△	4.000		
◇	6.000		

PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500
SANGLE	21.000	

REFERENCE FILE

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	- 6.000	0.000	1.201
△	- 4.000		
◇	- 2.000		
□	- 0.000		

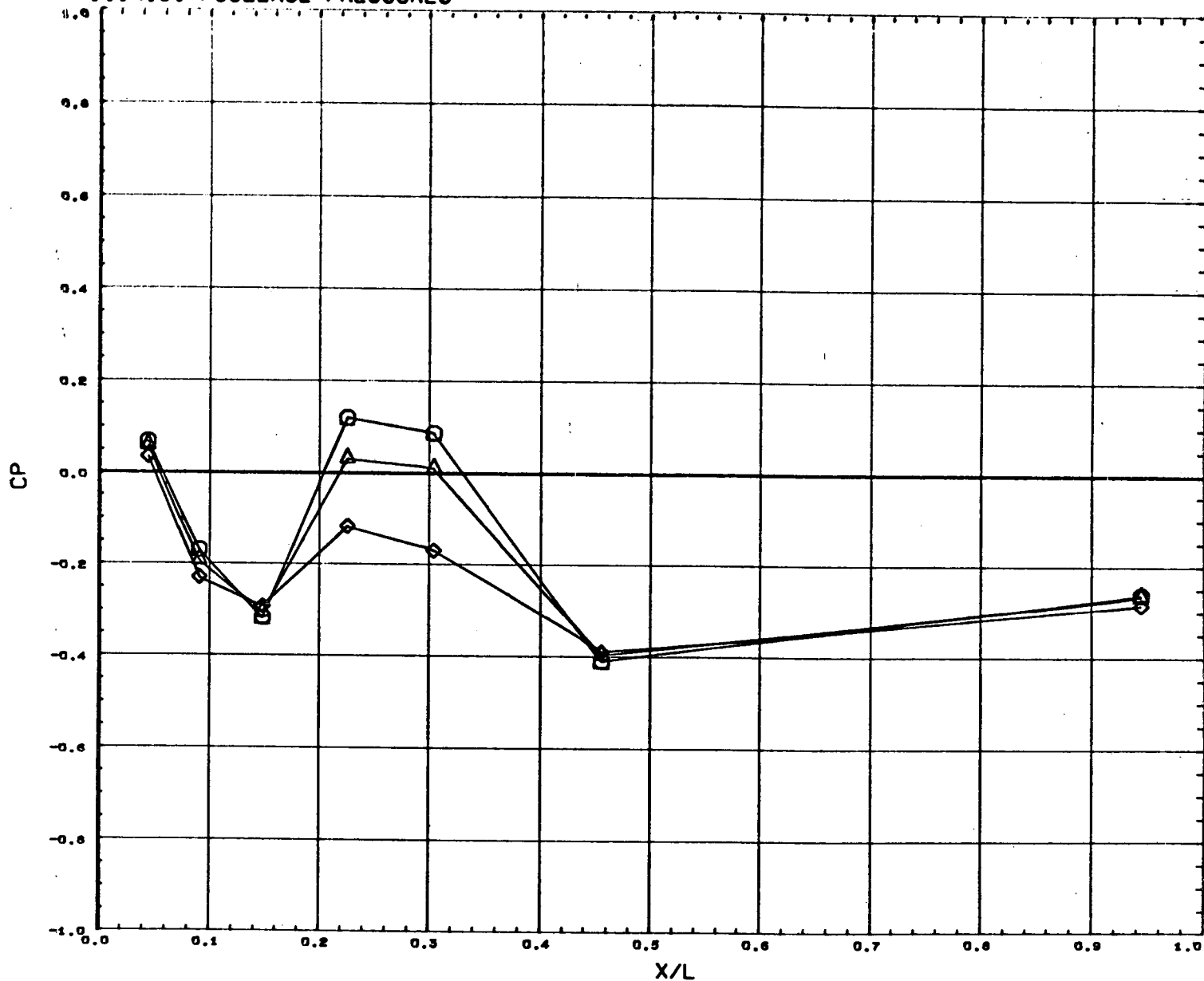
PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.500
 SANGLE 21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67009)

PAGE 67

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	2.000	0.000	1.291
△	4.000		
◇	6.000		

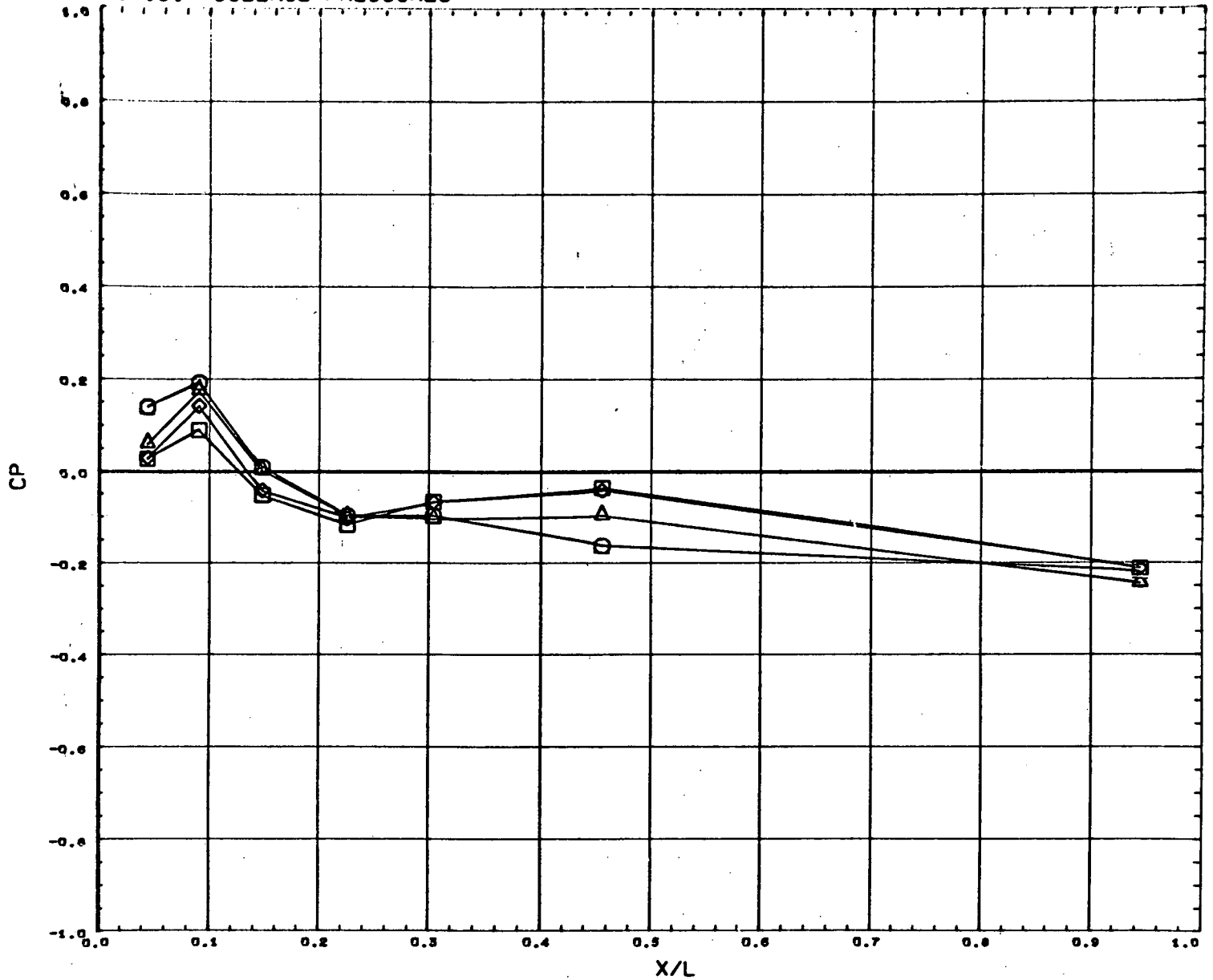
PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.500
SANGLE	21.000

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67009)

PAGE 68

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	- 6.000	0.000	1.966
△	- 4.000		
◇	- 2.000		
□	- 0.000		

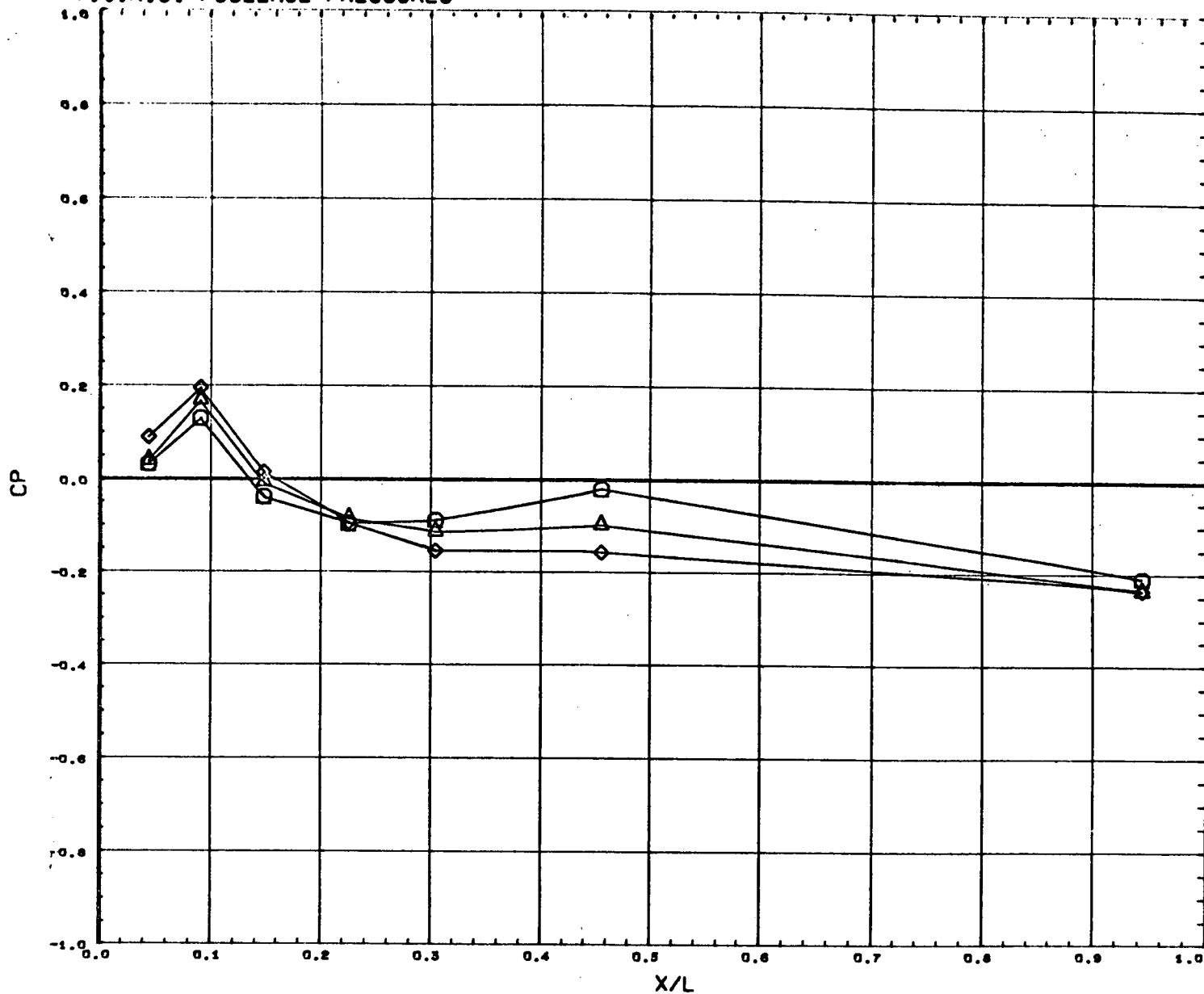
PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67009)

PAGE 69

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	2.000	0.000	1.968
△	4.000		
◇	6.000		

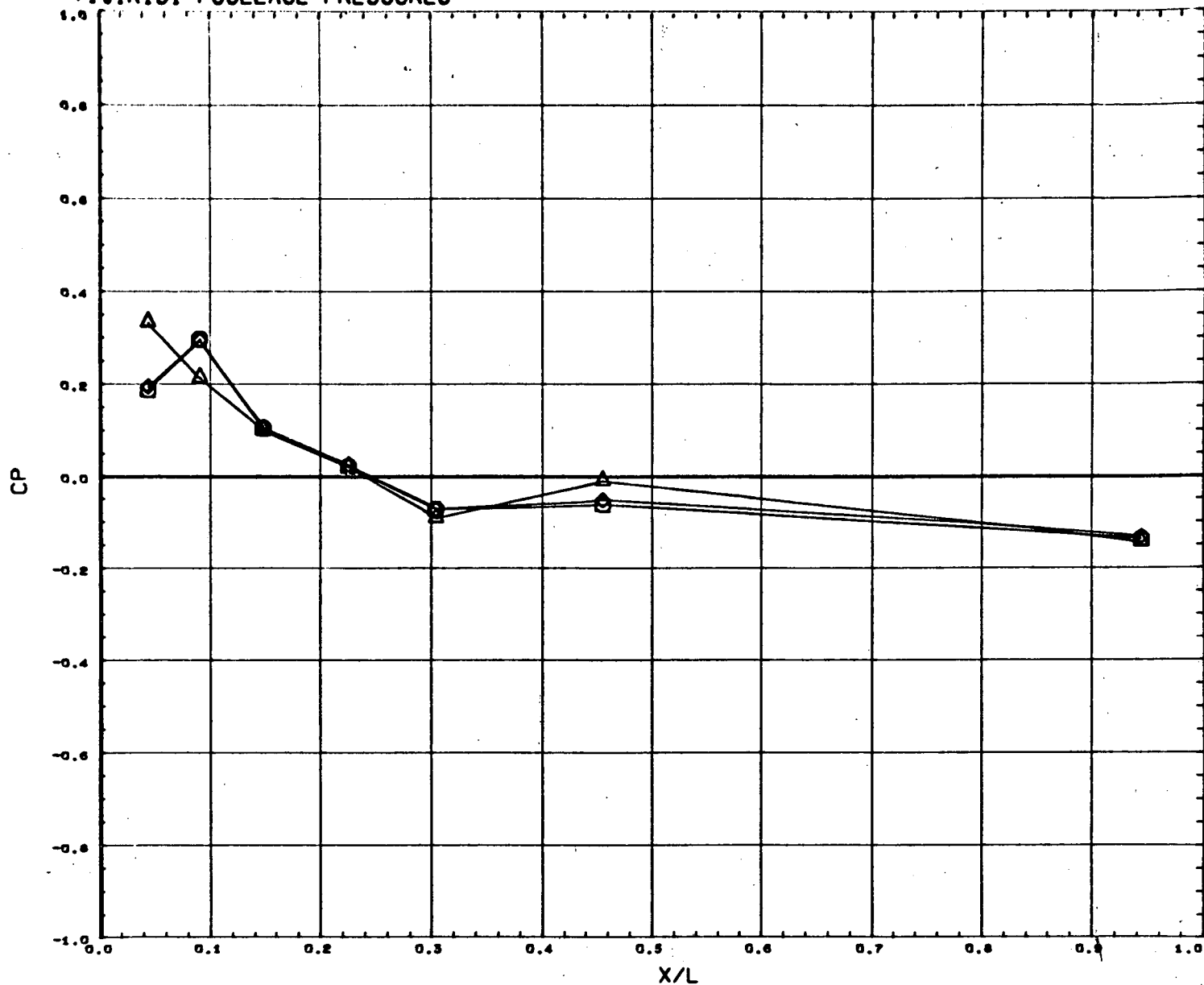
PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67009)

PAGE 70

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	2.740
△	0.000		
◇	6.000		

PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.500
SANGLE	21.000

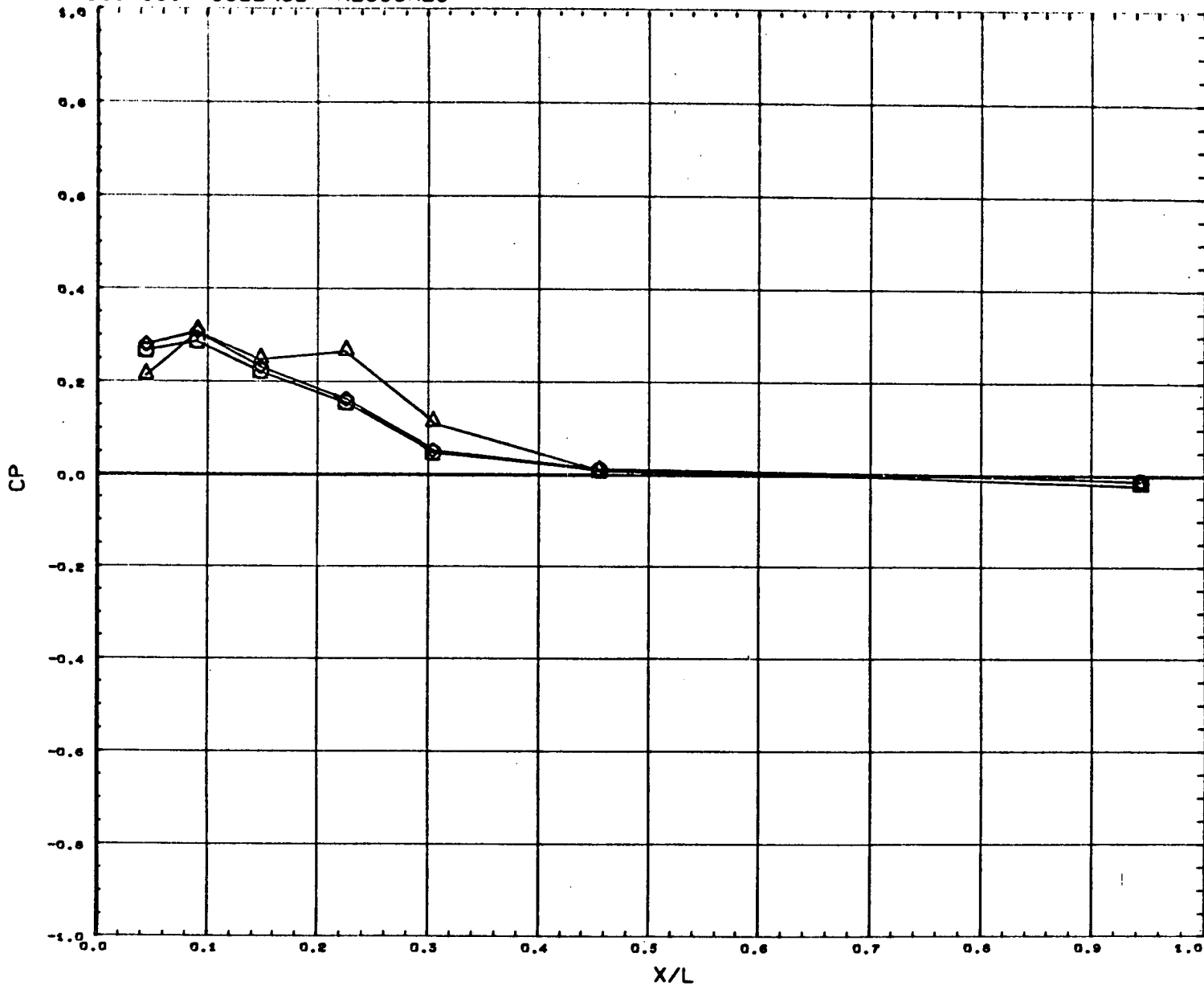
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67010)

PAGE 71

C2

T101R1S1 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	0.000	0.000	4.960
△	0.000		
◇	0.000		

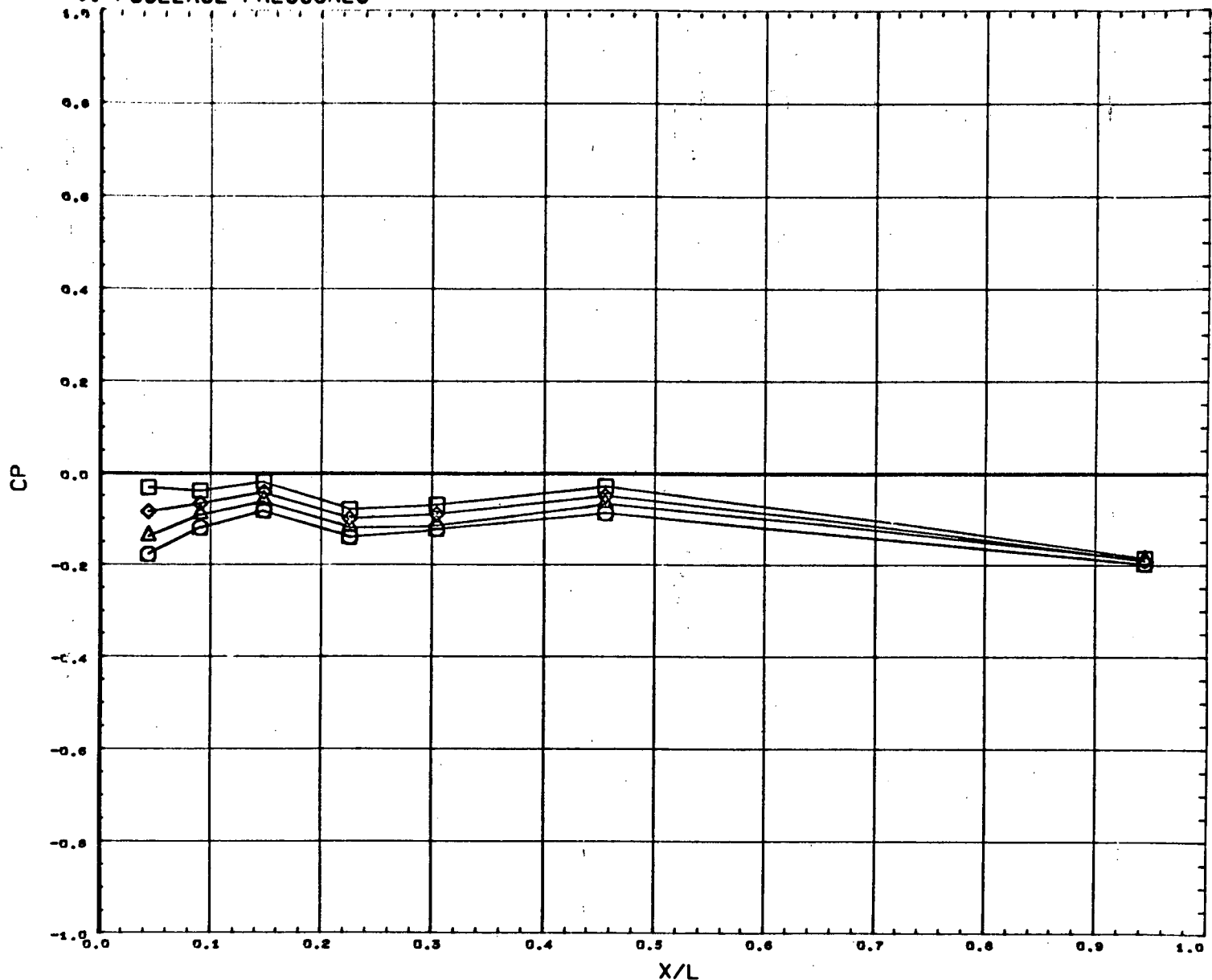
PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500
SANGLE	21.000	

REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES T101R1S1(FUSELAGE) (A67010)

PAGE 72

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	- 6.000	0.000	0.603
△	- 4.000		
◇	- 2.000		
□	- 0.000		

BETA 0.000
PARAMETRIC VALUES

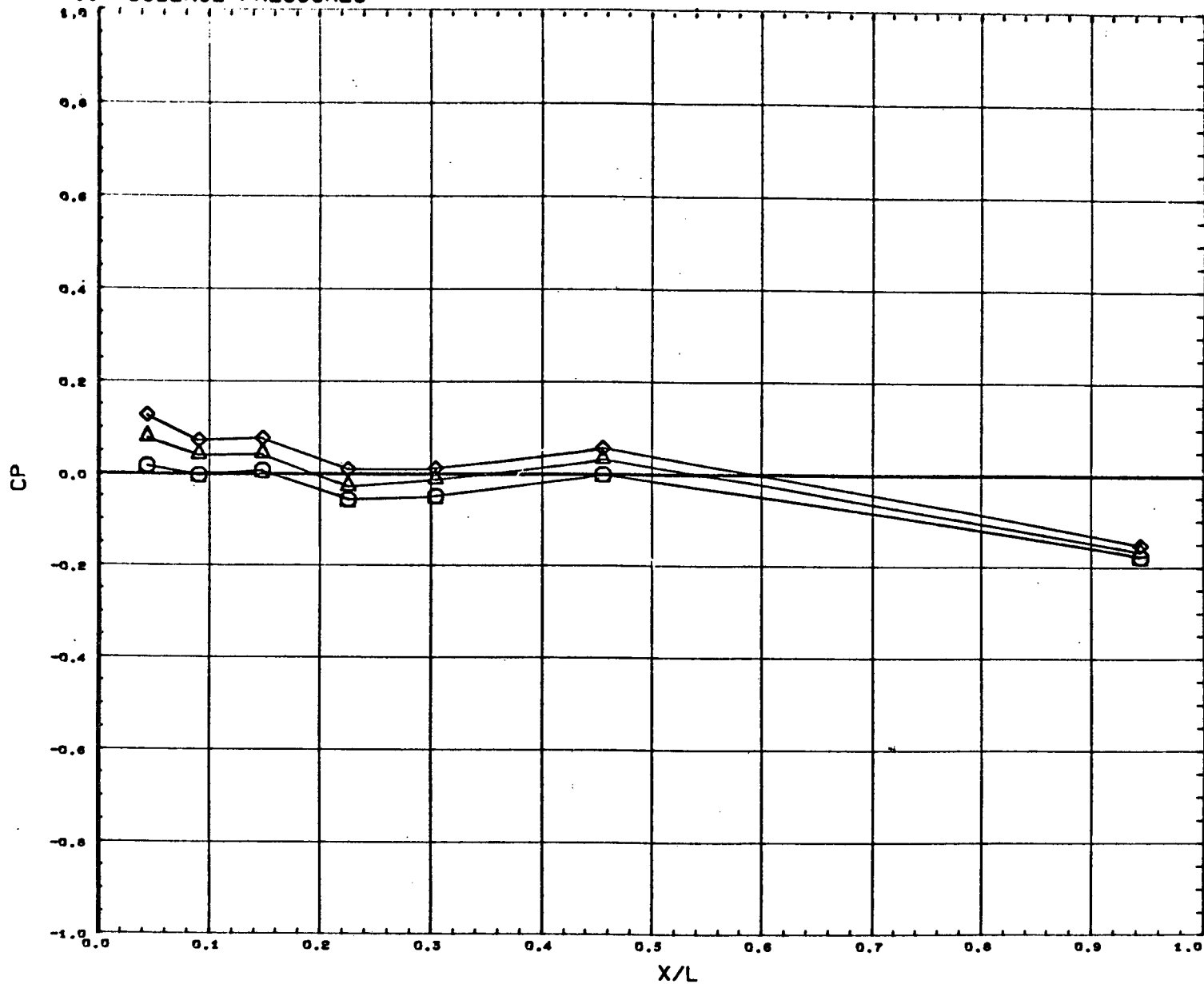
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67011)

PAGE 73

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH	BETA	PARAMETRIC VALUES
○	2.000	0.000	0.603		
△	4.000				
◇	6.000				

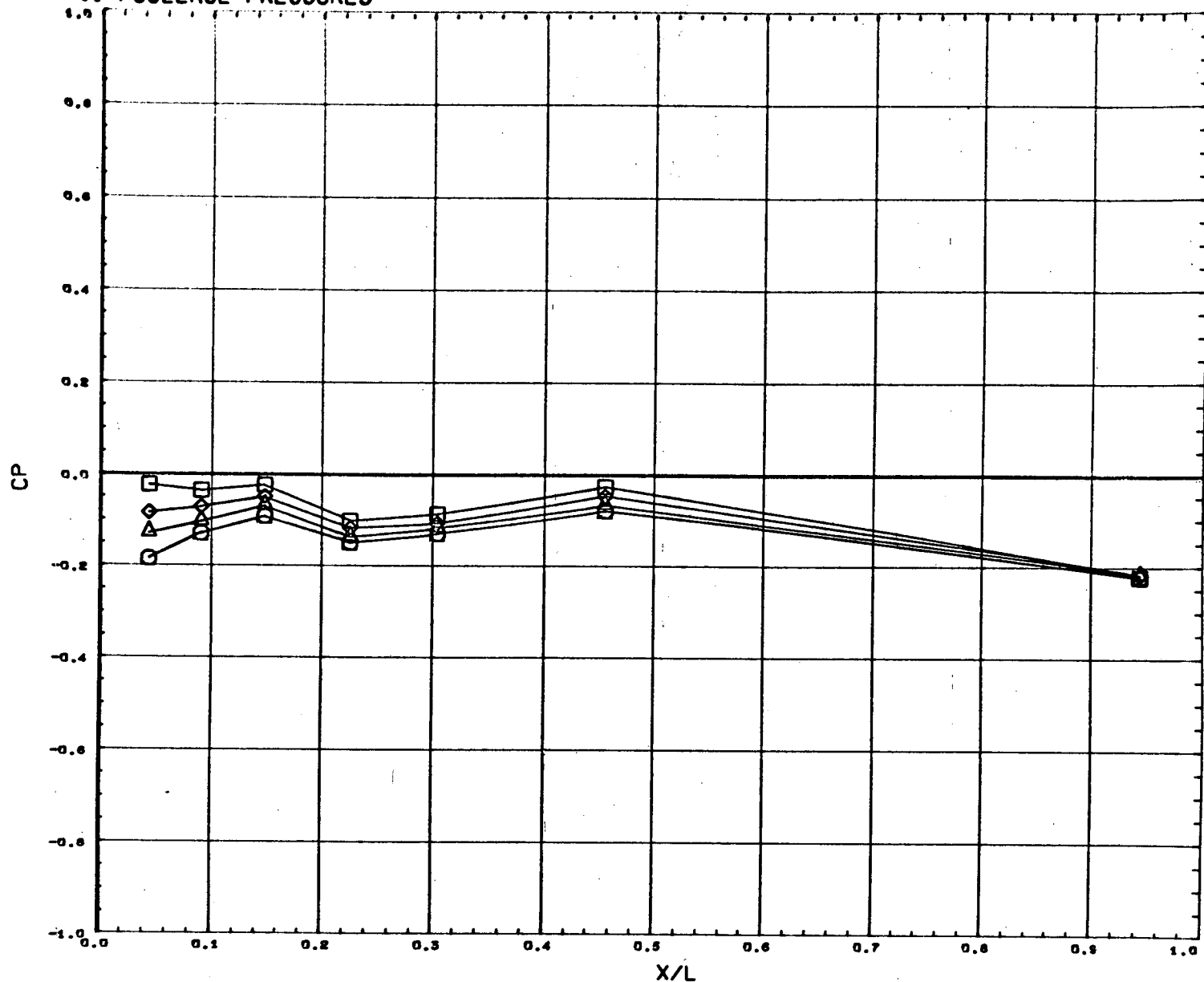
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67011)

PAGE 74

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	- 6.000	0.000	0.804
△	- 4.000		
◇	- 2.000		
□	0.000		

BETA PARAMETRIC VALUES
0.000

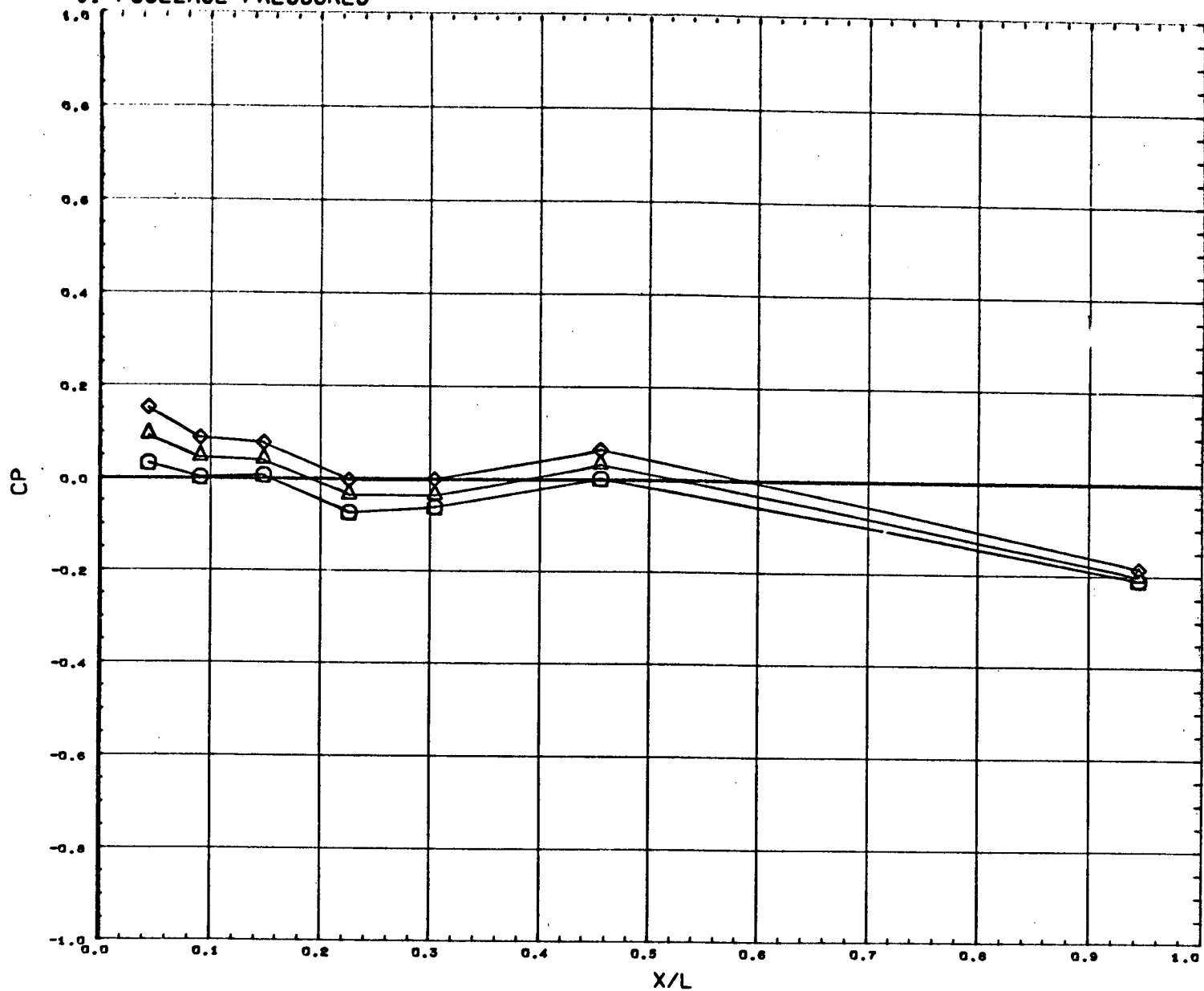
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67011)

PAGE 75

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH	BETA	PARAMETRIC VALUES
○	2.000	0.000	0.804		
△	4.000				
◇	6.000				

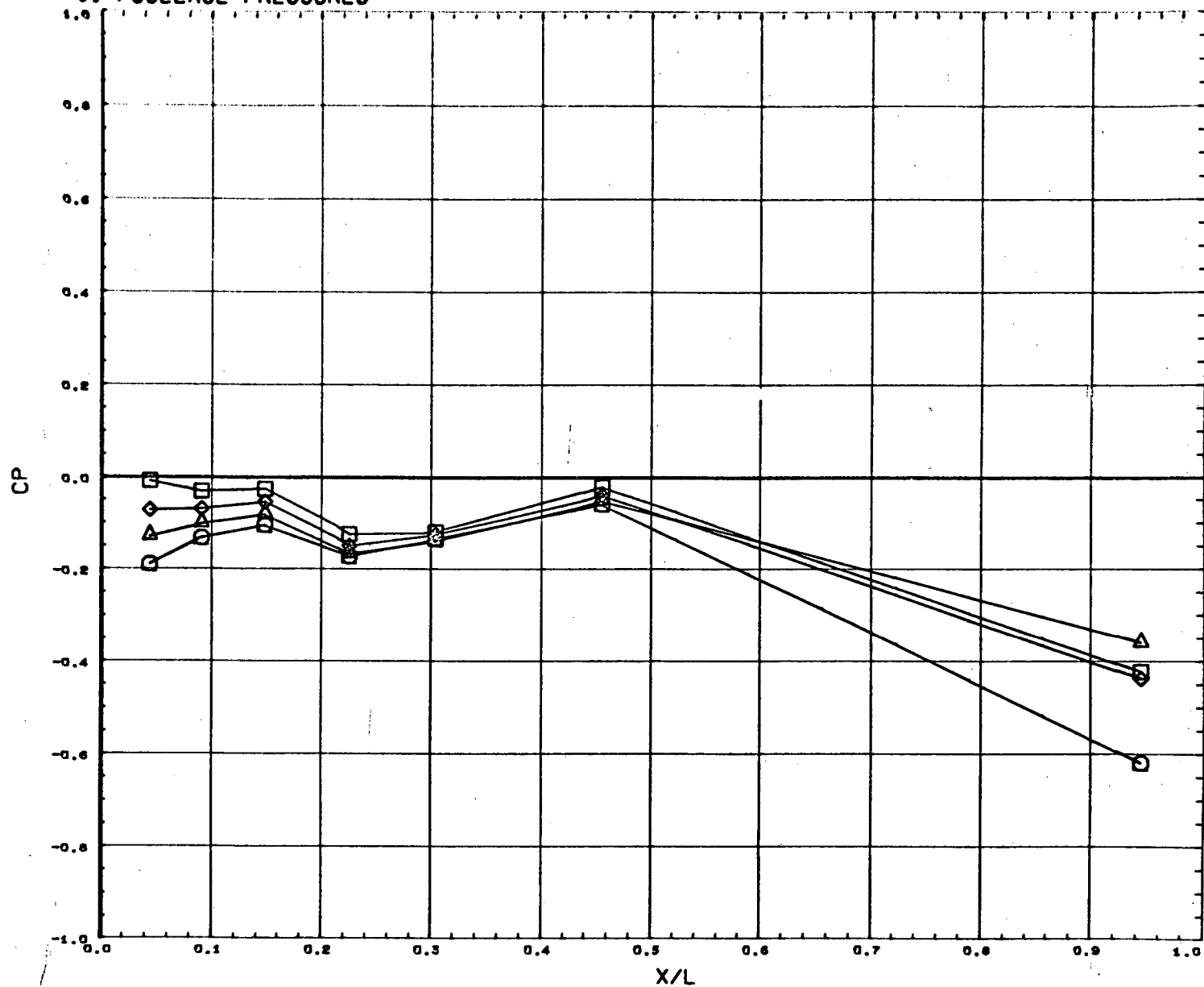
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67011)

PAGE 76

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	- 6.000	0.000	0.903
△	- 4.000		
◇	- 2.000		
□	- 0.000		

BETA PARAMETRIC VALUES
0.000

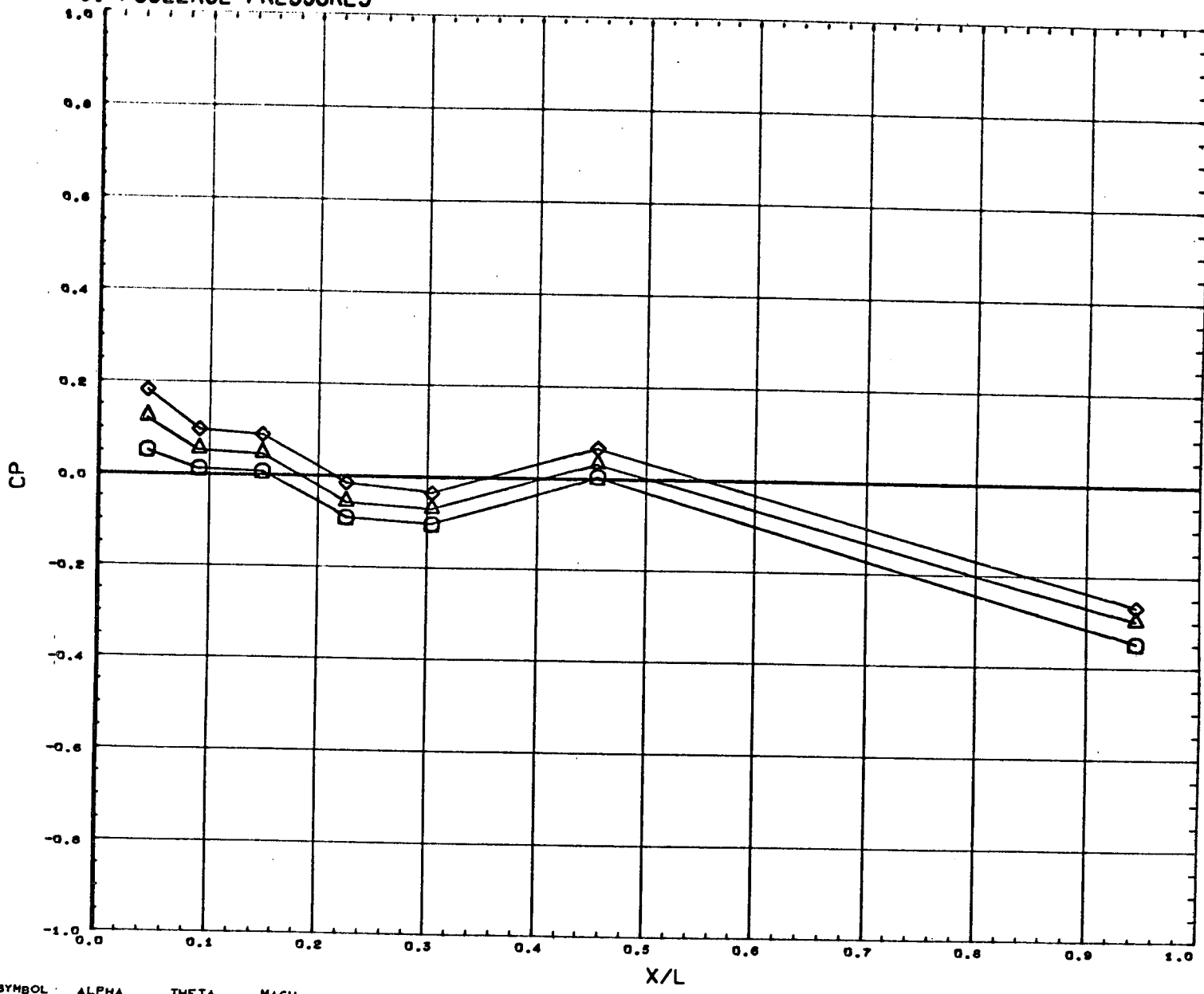
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67011)

PAGE 77

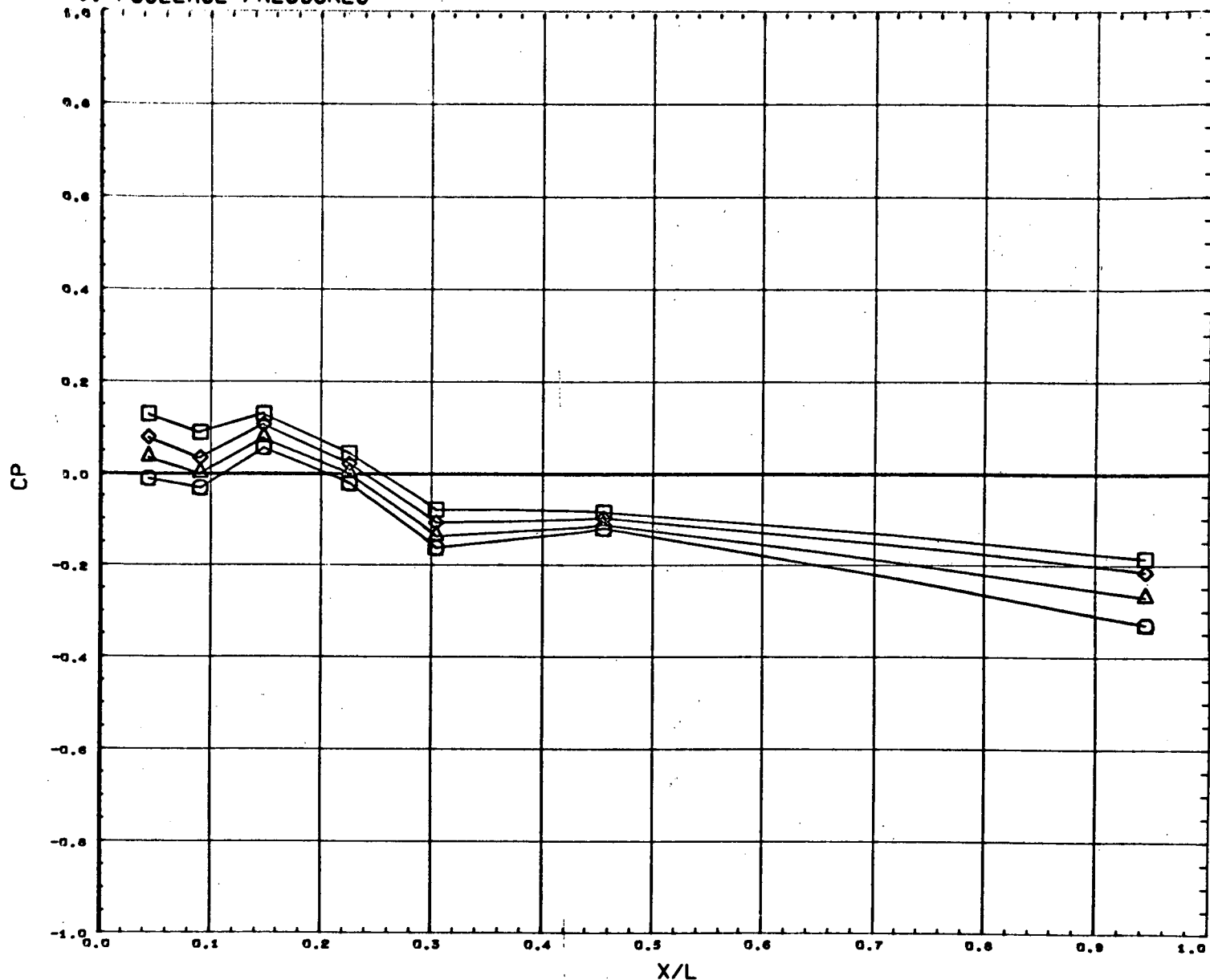
01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH	BETA	PARAMETRIC VALUES
○	2.000	0.000	0.903		
△	4.000				
◇	6.000				

REFERENCE FILE

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	- 6.000	0.000	1.193
△	- 4.000		
◇	- 2.000		
□	- 0.000		

BETA PARAMETRIC VALUES
0.000

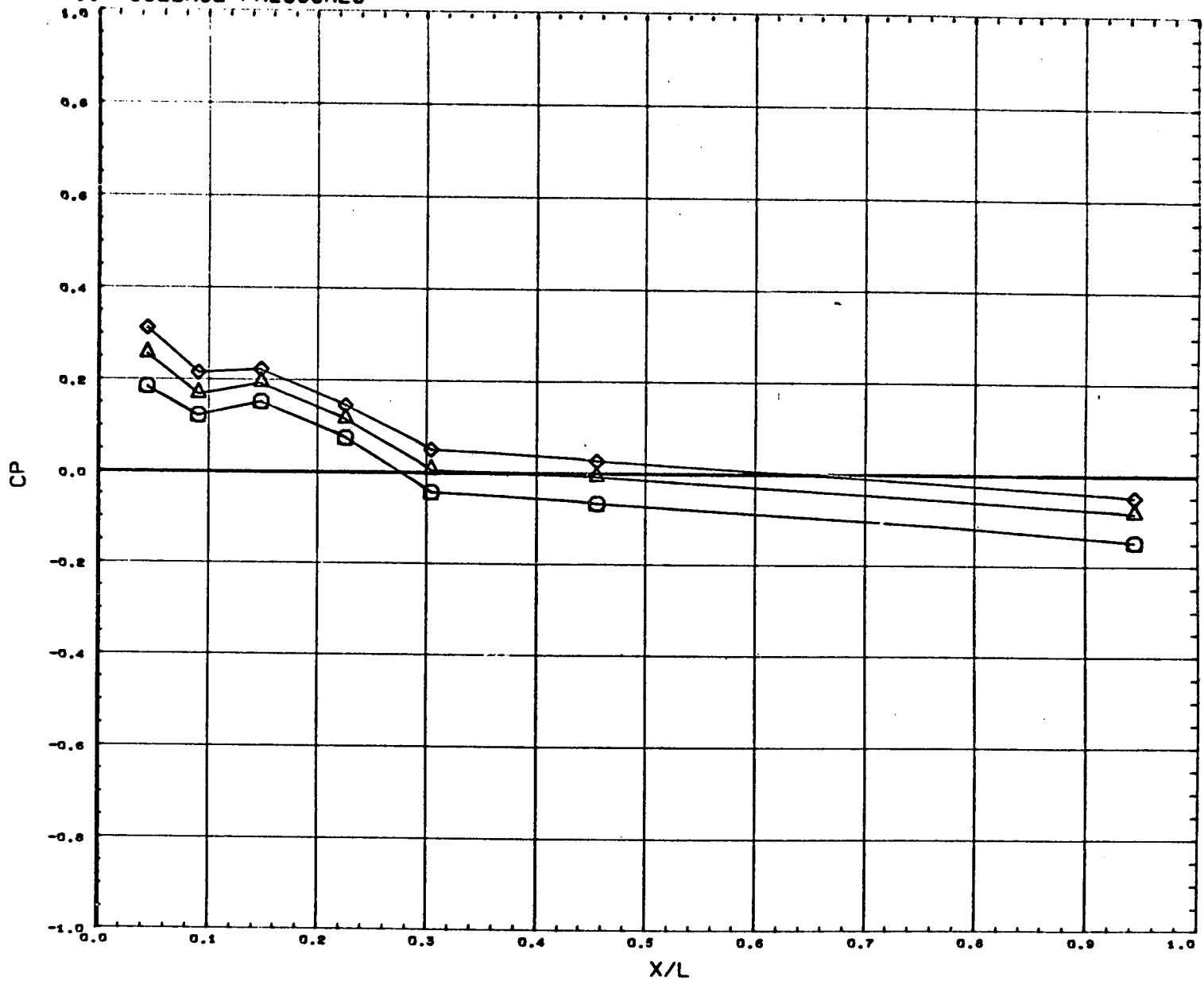
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67011)

PAGE 79

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	2.000	0.000	1.103
△	4.000		
◇	6.000		

BETA PARAMETRIC VALUES
0.000

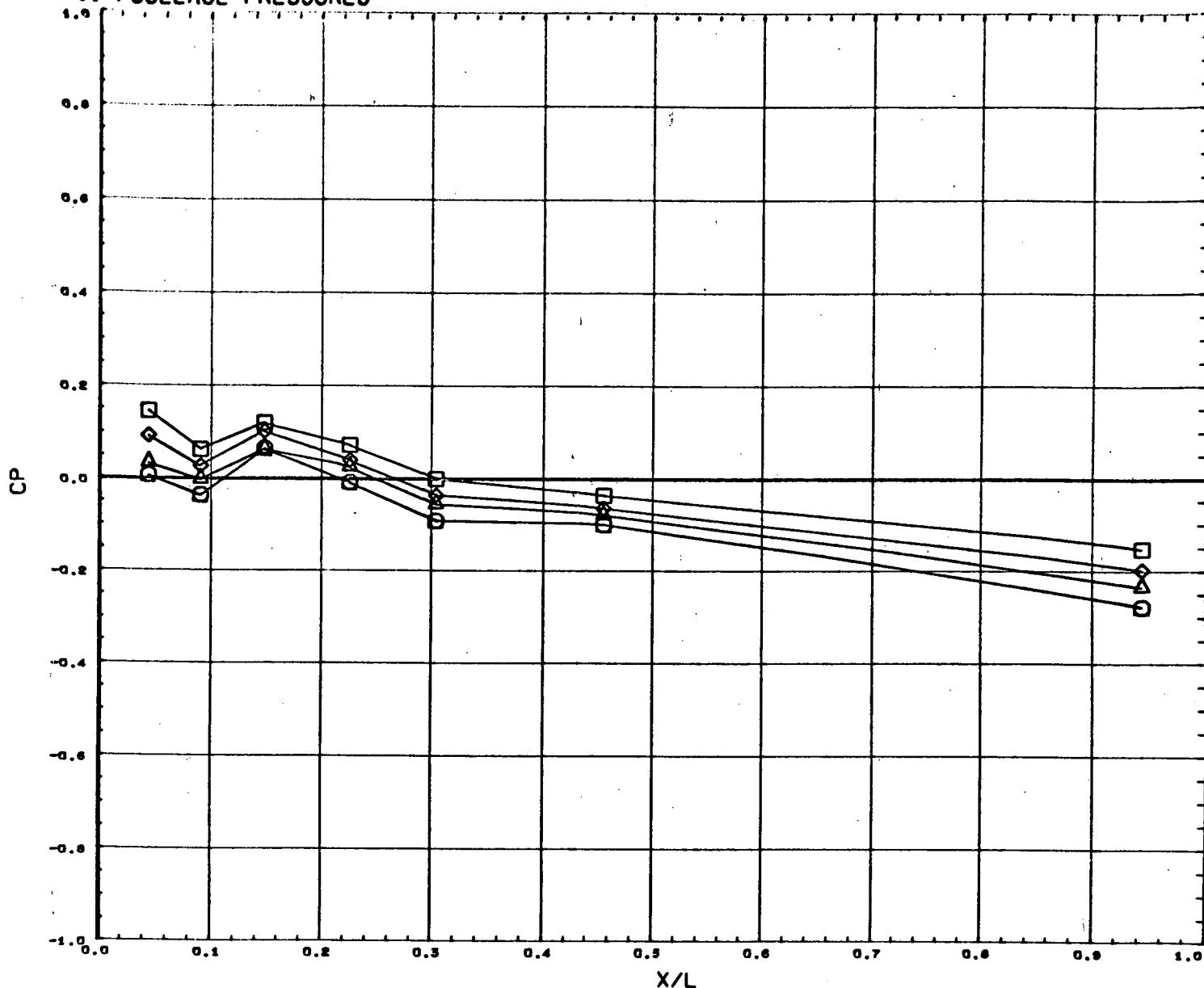
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67011)

PAGE 80

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	- 6.000	0.000	1.292
△	- 4.000		
◇	- 2.000		
□	- 0.000		

BETA 0.000
PARAMETRIC VALUES

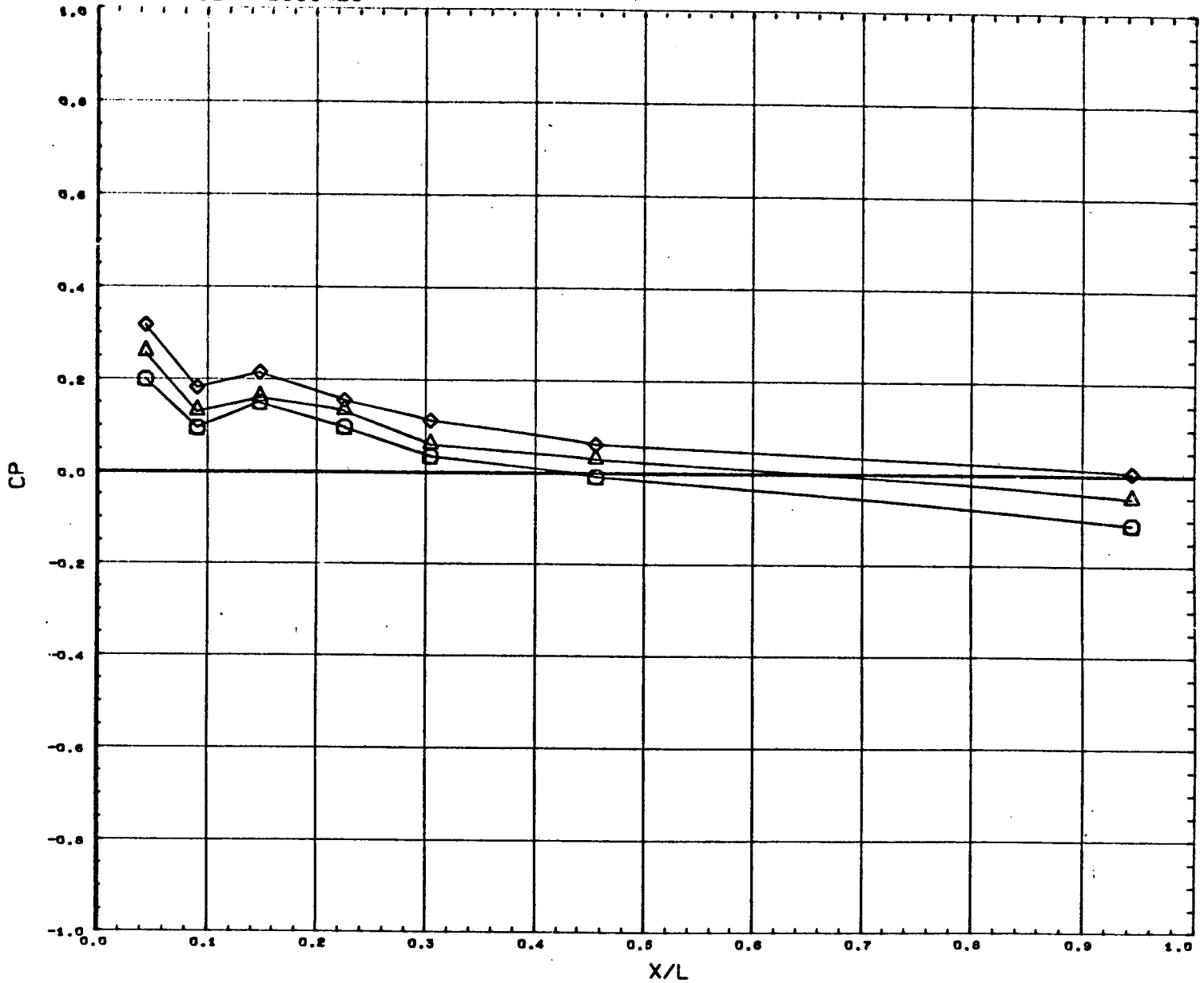
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67011)

PAGE 81

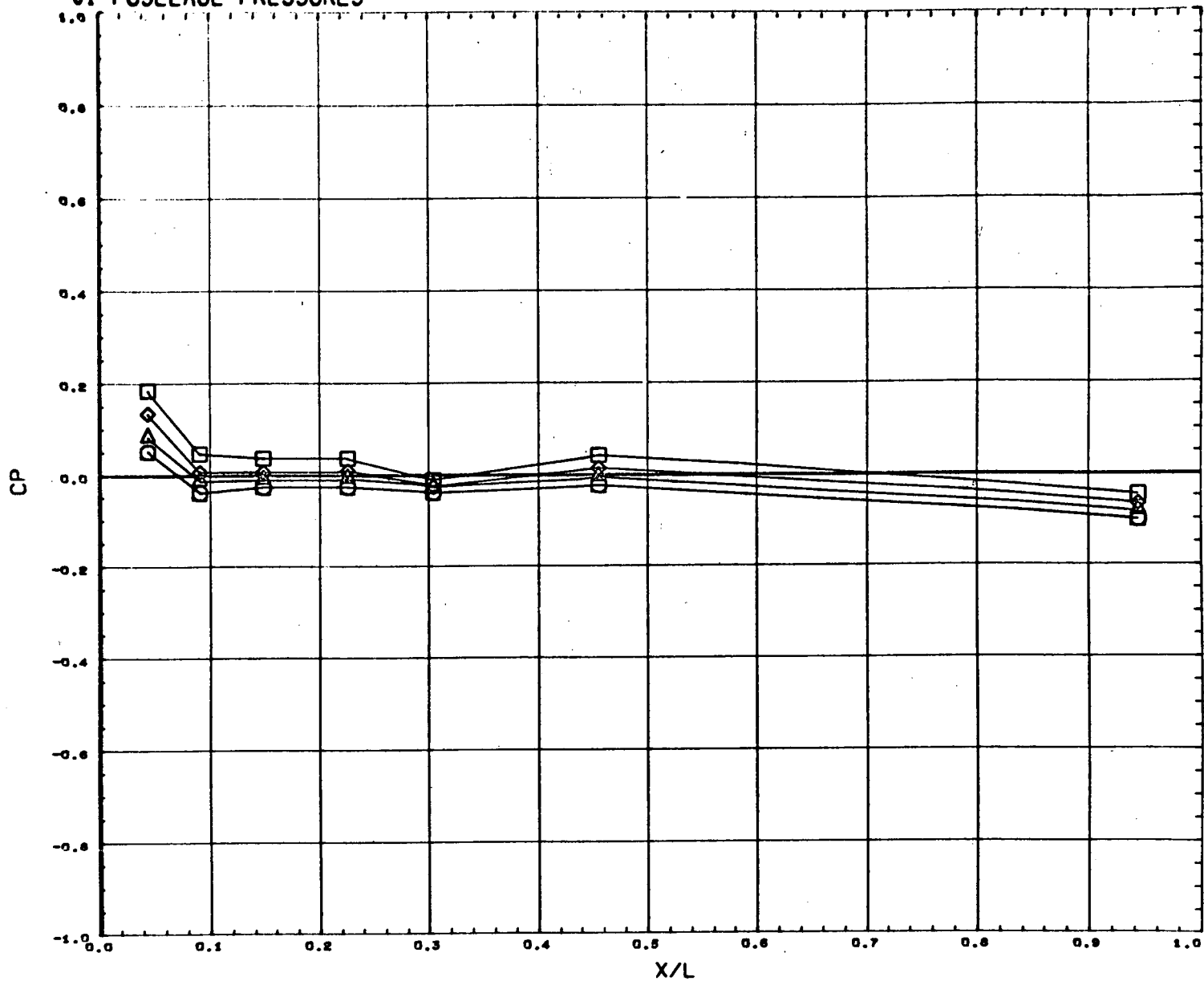
01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH	BETA	PARAMETRIC VALUES
○	2.000	0.000	1.202		
△	4.000				
◇	6.000				

REFERENCE FILE

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	6.000	0.000	1.965
△	4.000		
◇	2.000		
□	0.000		

BETA 0.000
PARAMETRIC VALUES

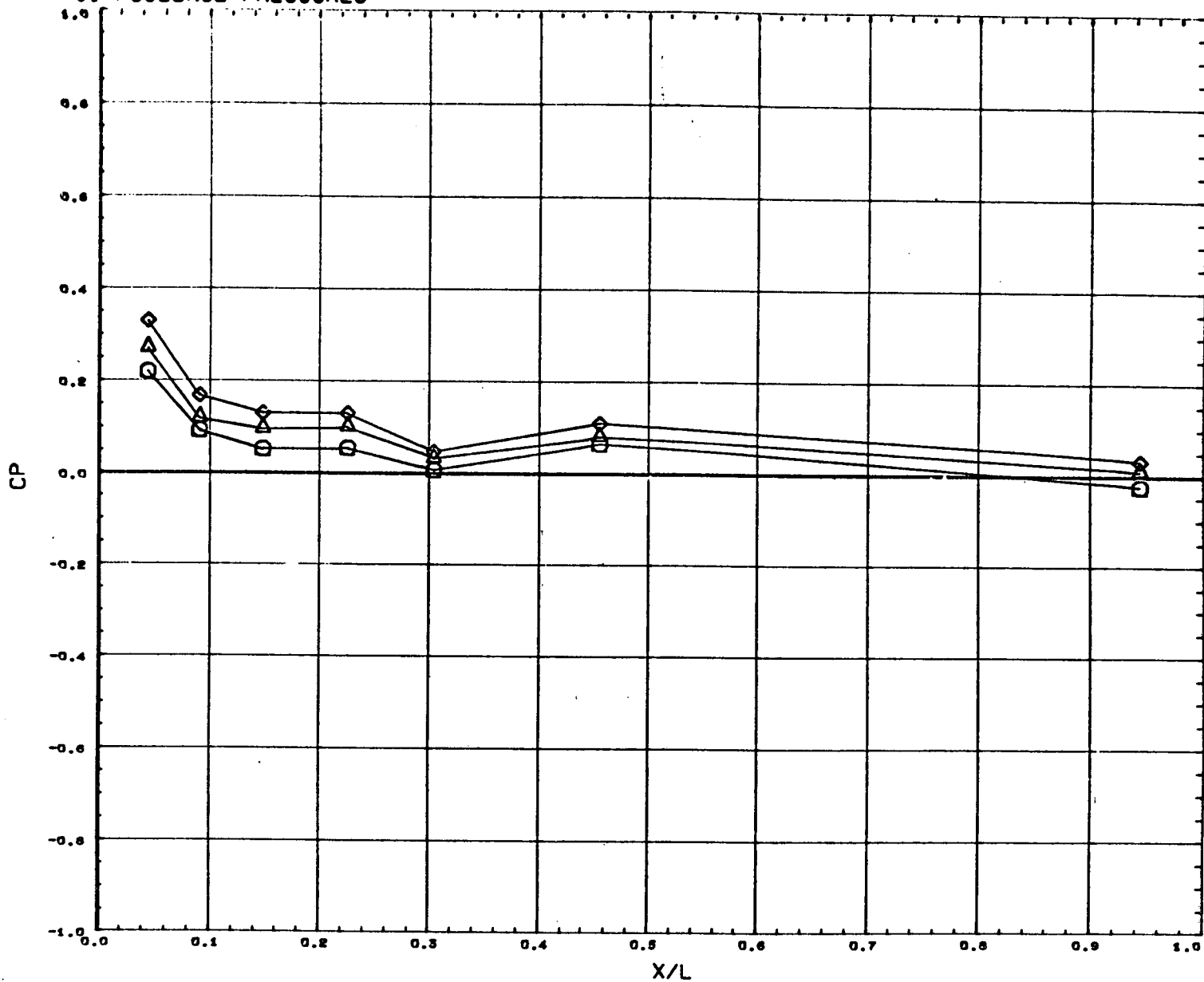
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67011)

PAGE 83

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH	BETA	PARAMETRIC VALUES
○	2.000	0.000	1.965	0.000	
△	4.000				
◇	6.000				

REFERENCE FILE

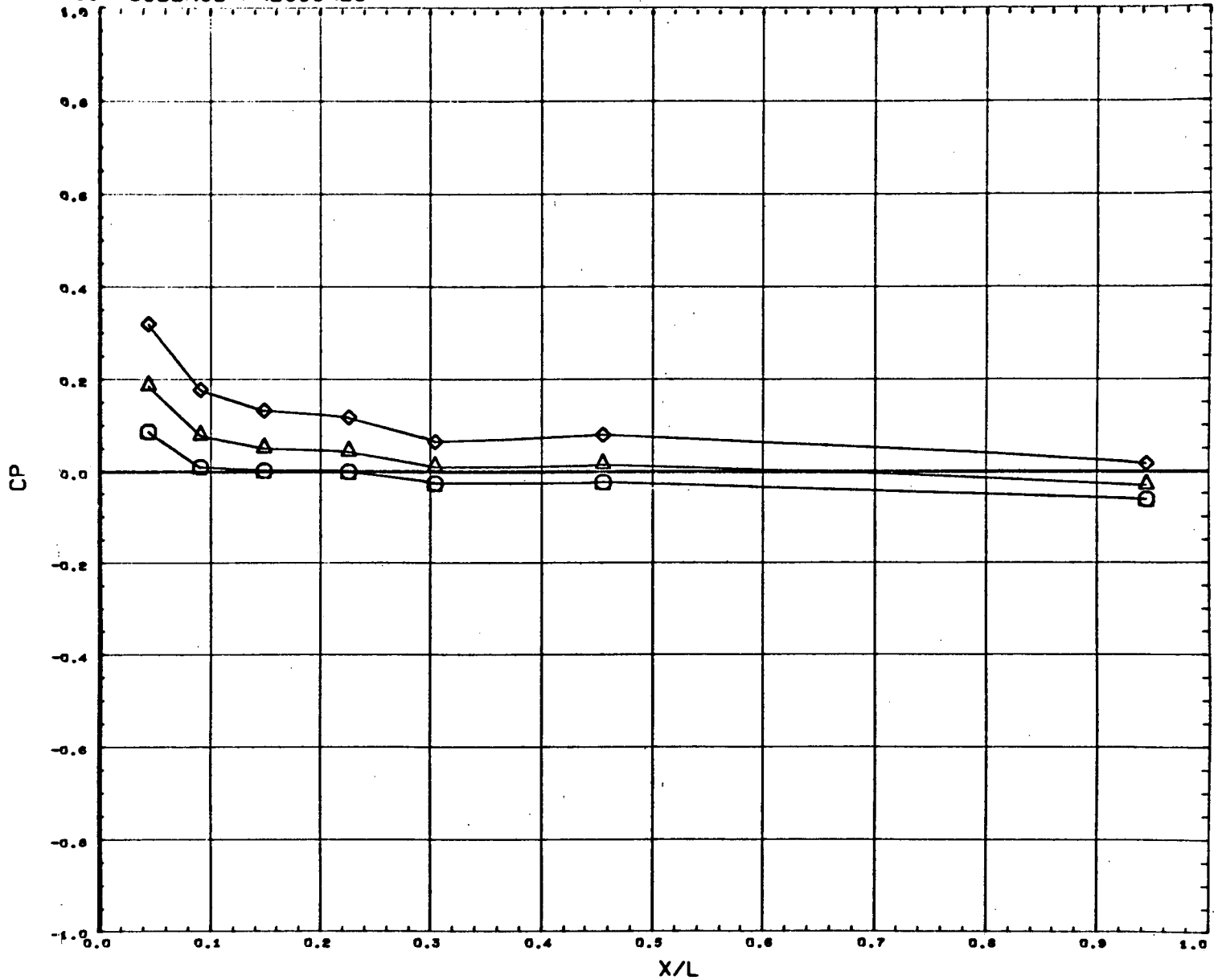
MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67011)

PAGE 84

B

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
□	6.000	0.000	2.740
△	0.000		
◇	-6.000		

BETA 0.000
PARAMETRIC VALUES

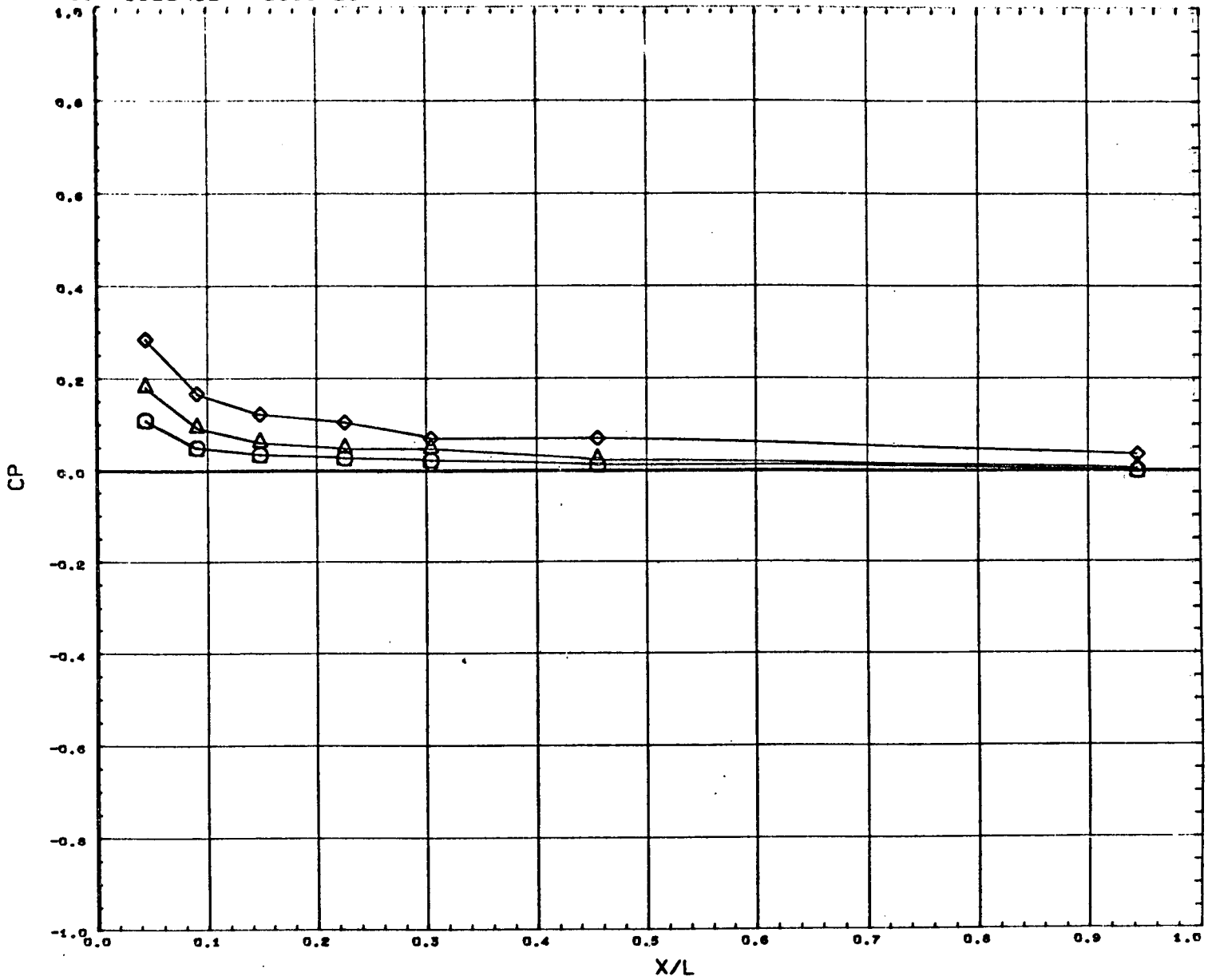
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67012)

PAGE 85

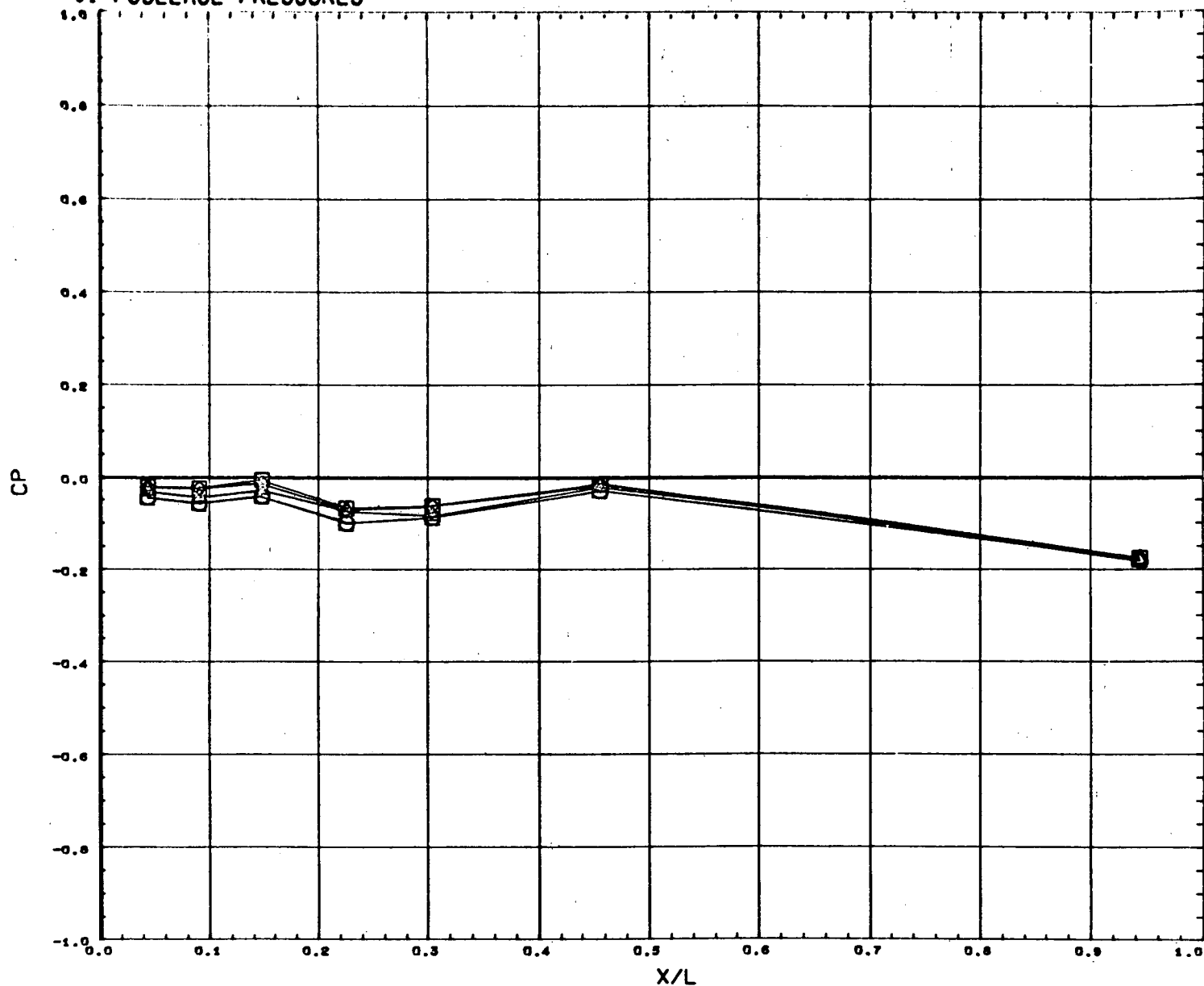
01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH	BETA	PARAMETRIC VALUES
○	6.000	0.000	4.960		0.000
△	0.000				
◇	6.000				

REFERENCE FILE

01 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	0.601
△	4.000		
◇	2.000		
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000

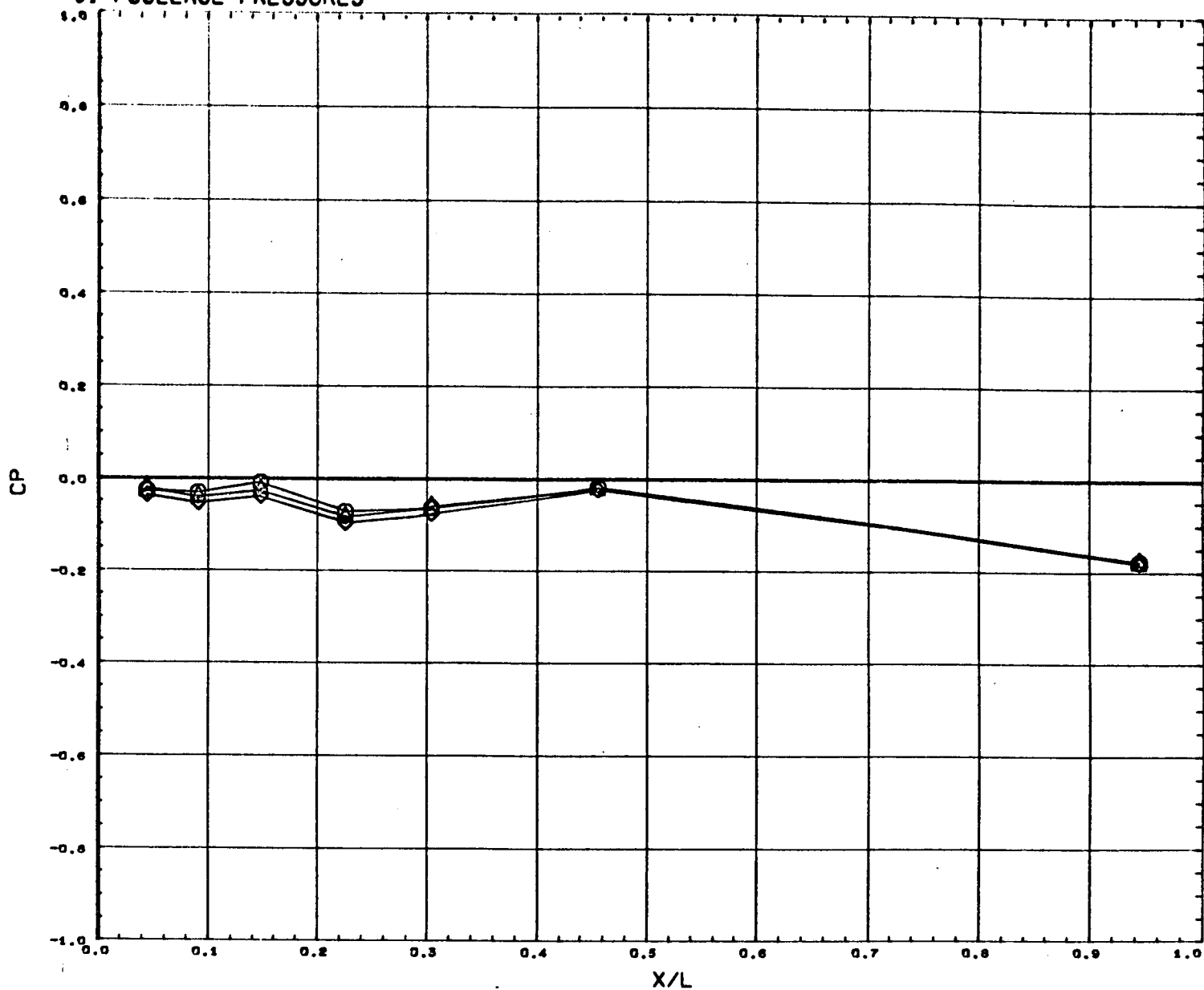
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67013)

PAGE 87

01 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH	ALPHA	PARAMETRIC VALUES
○	2.000	0.000	0.601		
△	4.000				
◇	6.000				

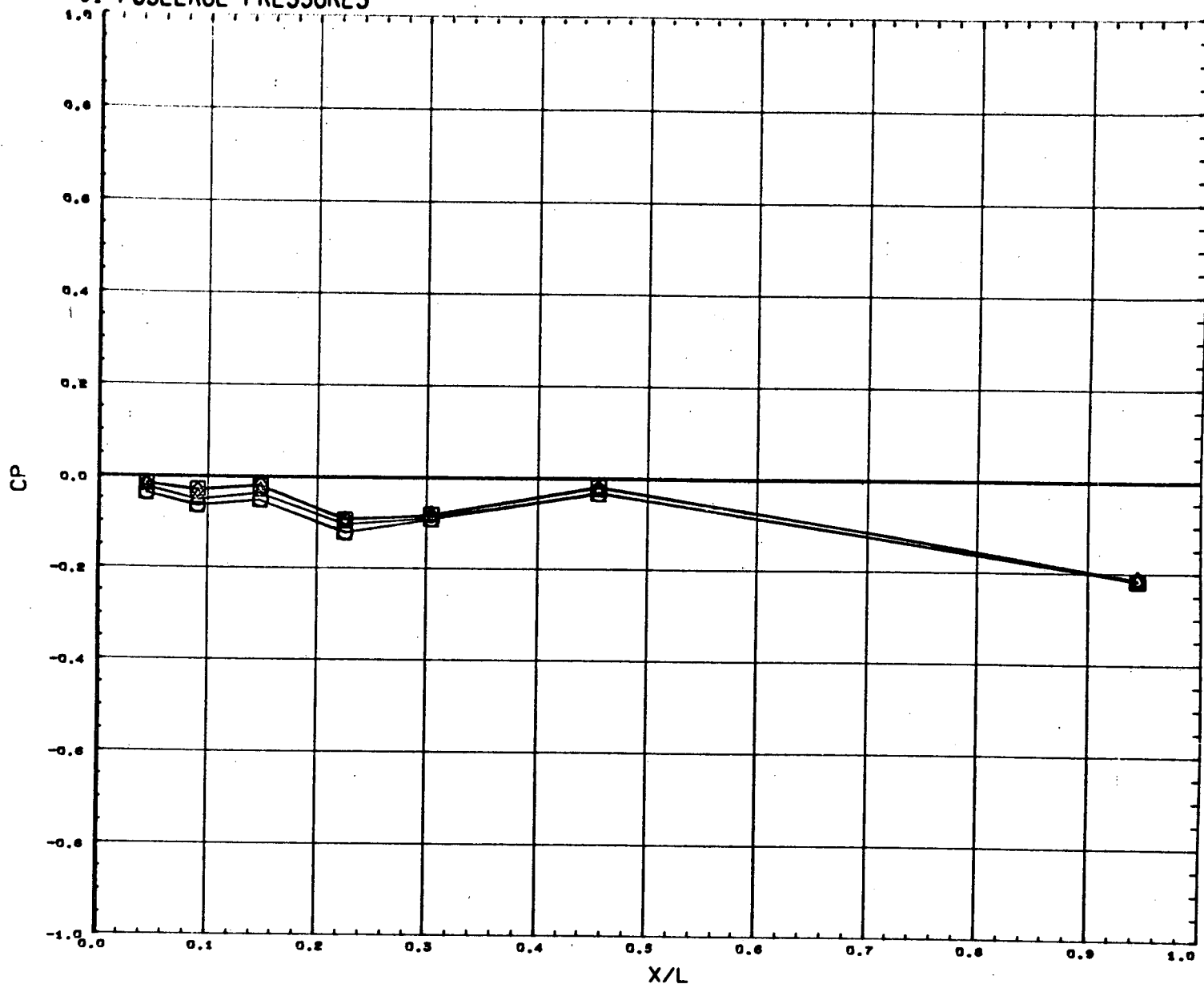
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67013)

PAGE 88

01 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	- 6.000	0.000	0.800
△	- 4.000		
◇	- 2.000		
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000

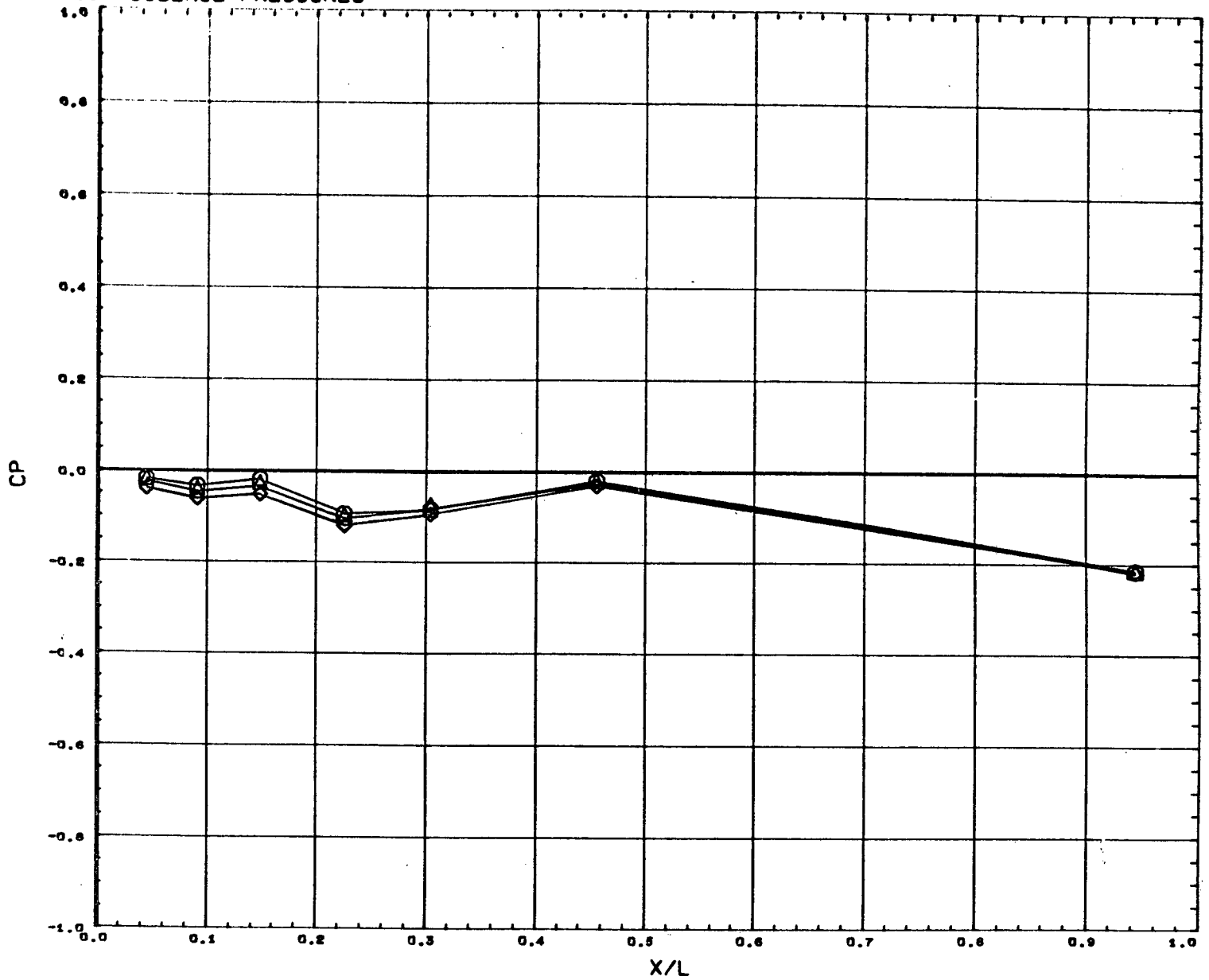
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67013)

PAGE 89

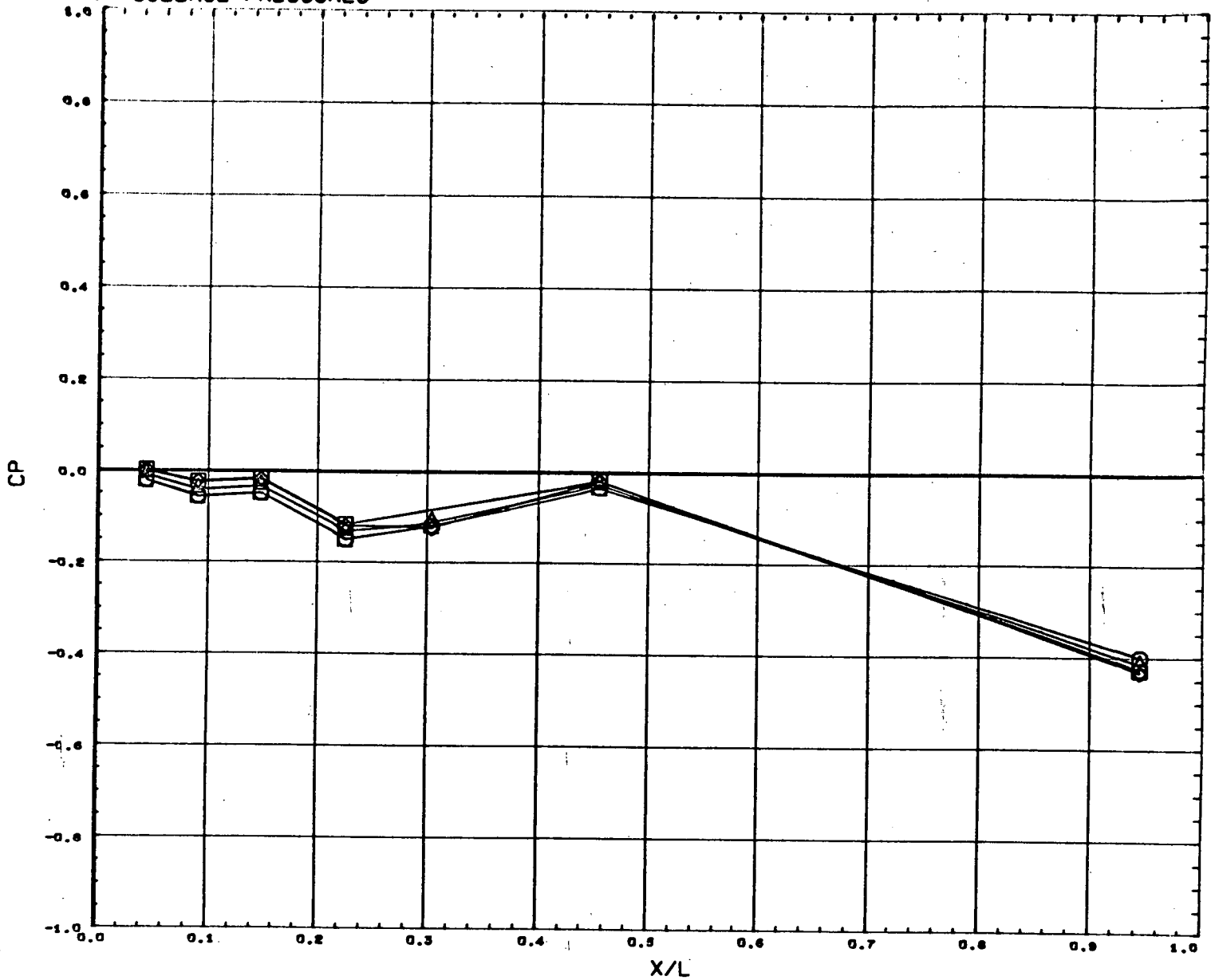
01 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH	ALPHA	PARAMETRIC VALUES
○	2.000	0.000	0.800		
△	4.000				
◇	6.000				

REFERENCE FILE

01 FUSELAGE PRESSURES

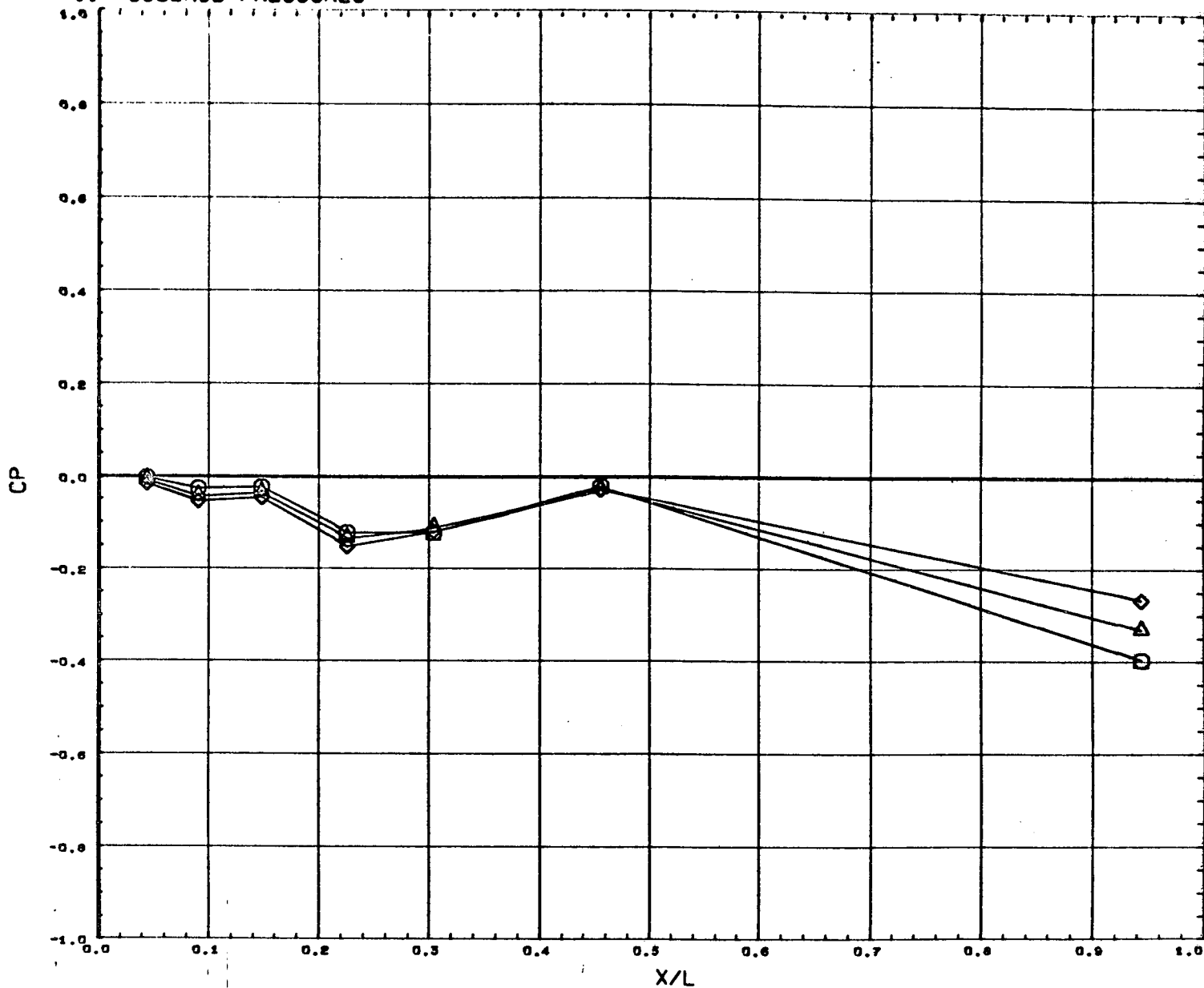


SYMBOL	BETA	THETA	MACH
○	6.000	0.000	0.907
△	4.000		
◇	2.000		
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000

REFERENCE FILE

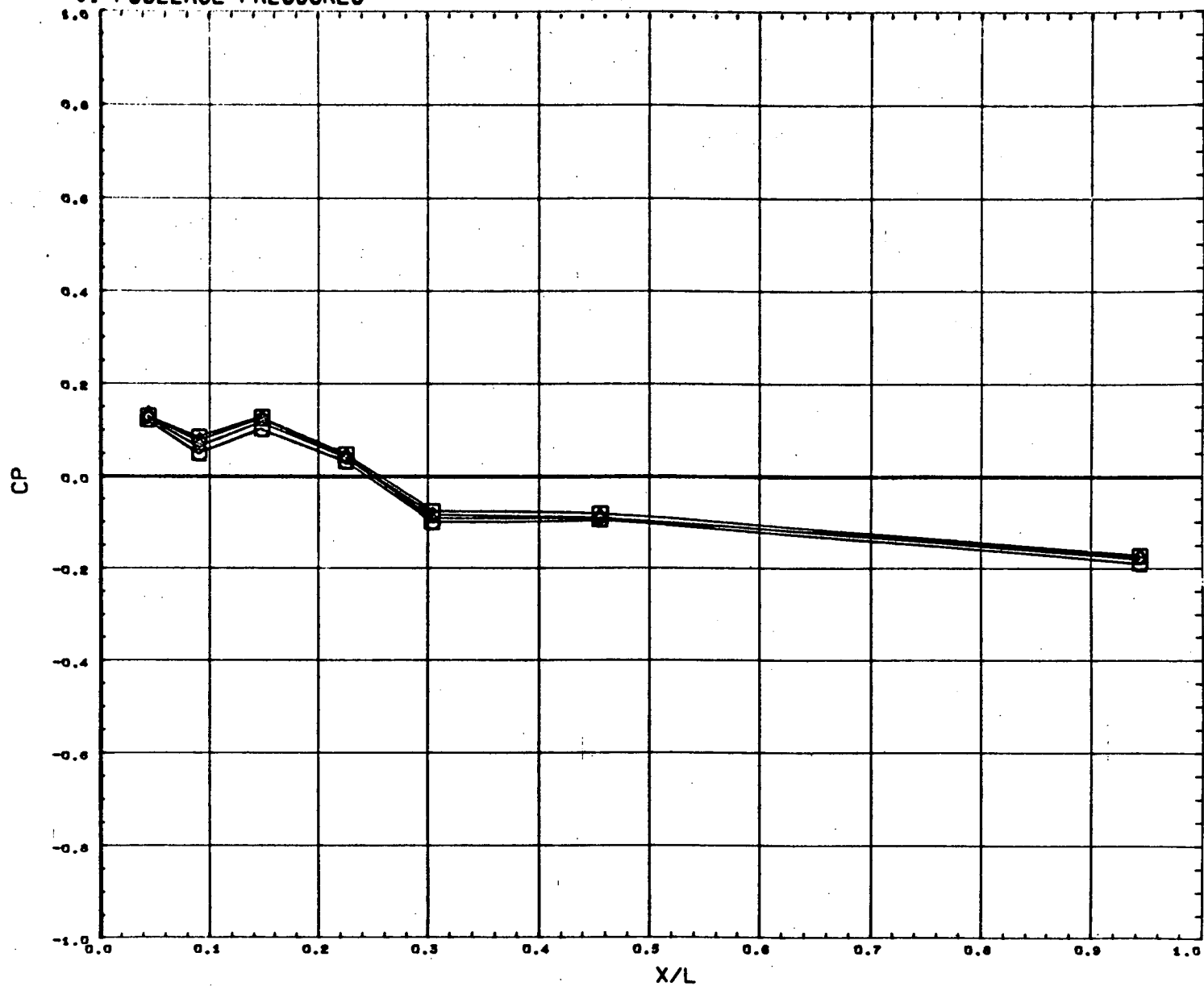
01 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH	ALPHA	PARAMETRIC VALUES
○	2.000	0.000	0.997	0.000	
△	4.000				
◇	6.000				

REFERENCE FILE

01 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	- 6.000	0.000	1.094
△	- 4.000		
◇	- 2.000		
□	- 0.000		

PARAMETRIC VALUES
ALPHA 0.000

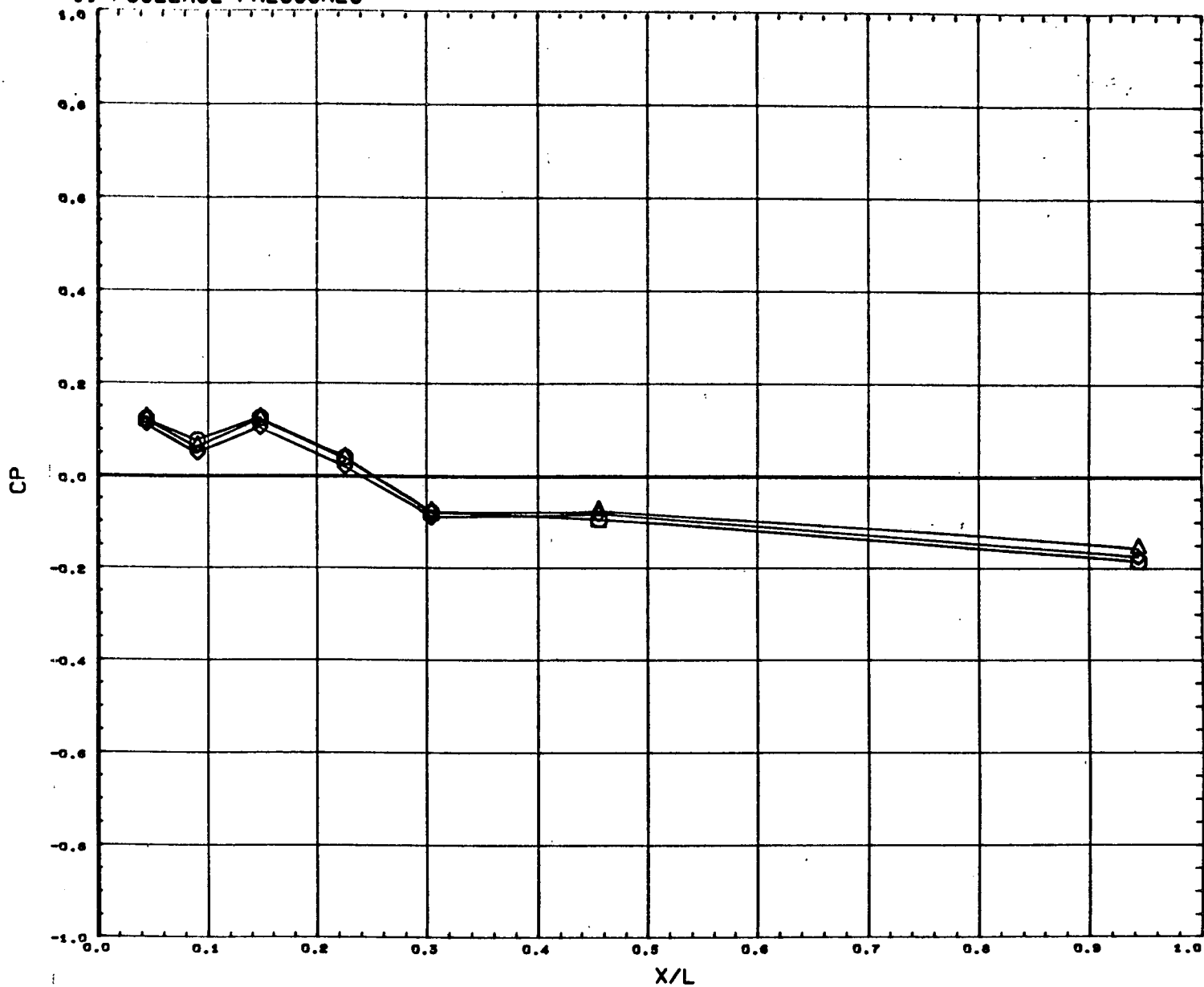
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67013)

PAGE 93

01 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH	ALPHA	PARAMETRIC VALUES
○	2.000	0.000	1.094		0.000
△	4.000				
◇	6.000				

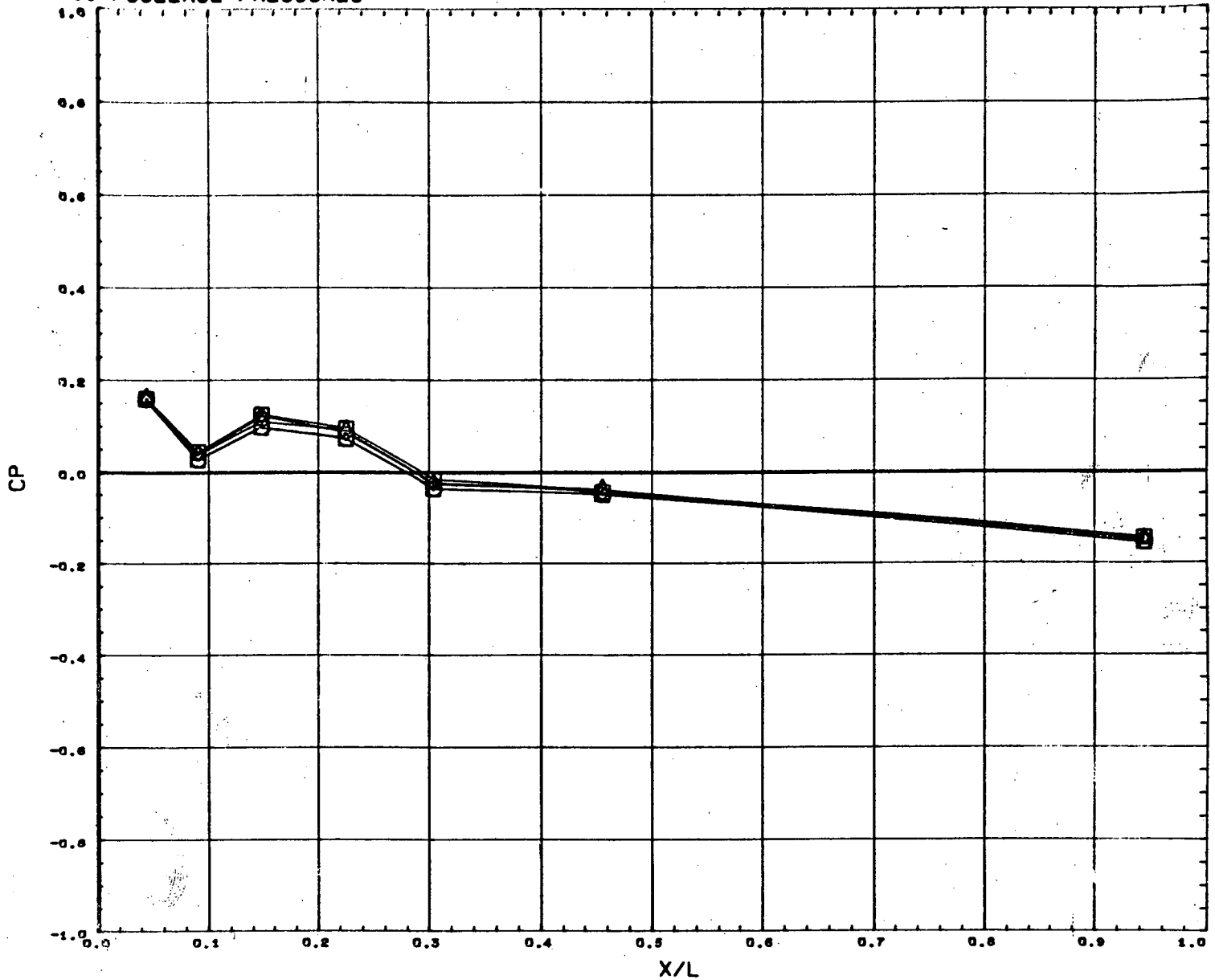
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67013)

PAGE 94

01 FUSELAGE PRESSURES

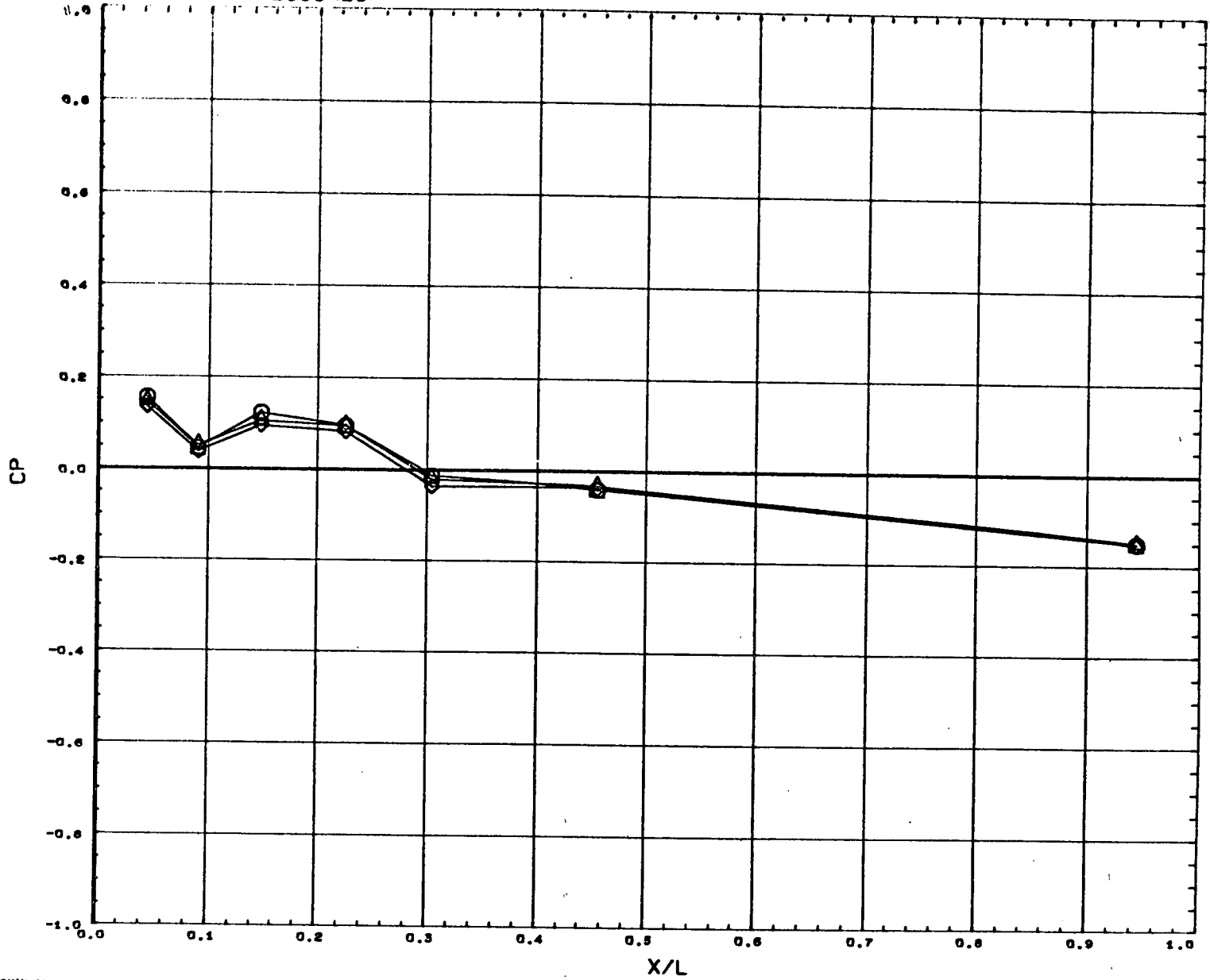


SYMBOL	BETA	THETA	MACH
○	6.000	0.000	1.199
△	4.000		
◇	2.000		
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000

REFERENCE FILE

01 FUSELAGE PRESSURES



SYMBOL
 ○
 △
 ◇

BETA	THETA	MACH
2.000	0.000	1.199
4.000		
6.000		

PARAMETRIC VALUES
 ALPHA 0.000

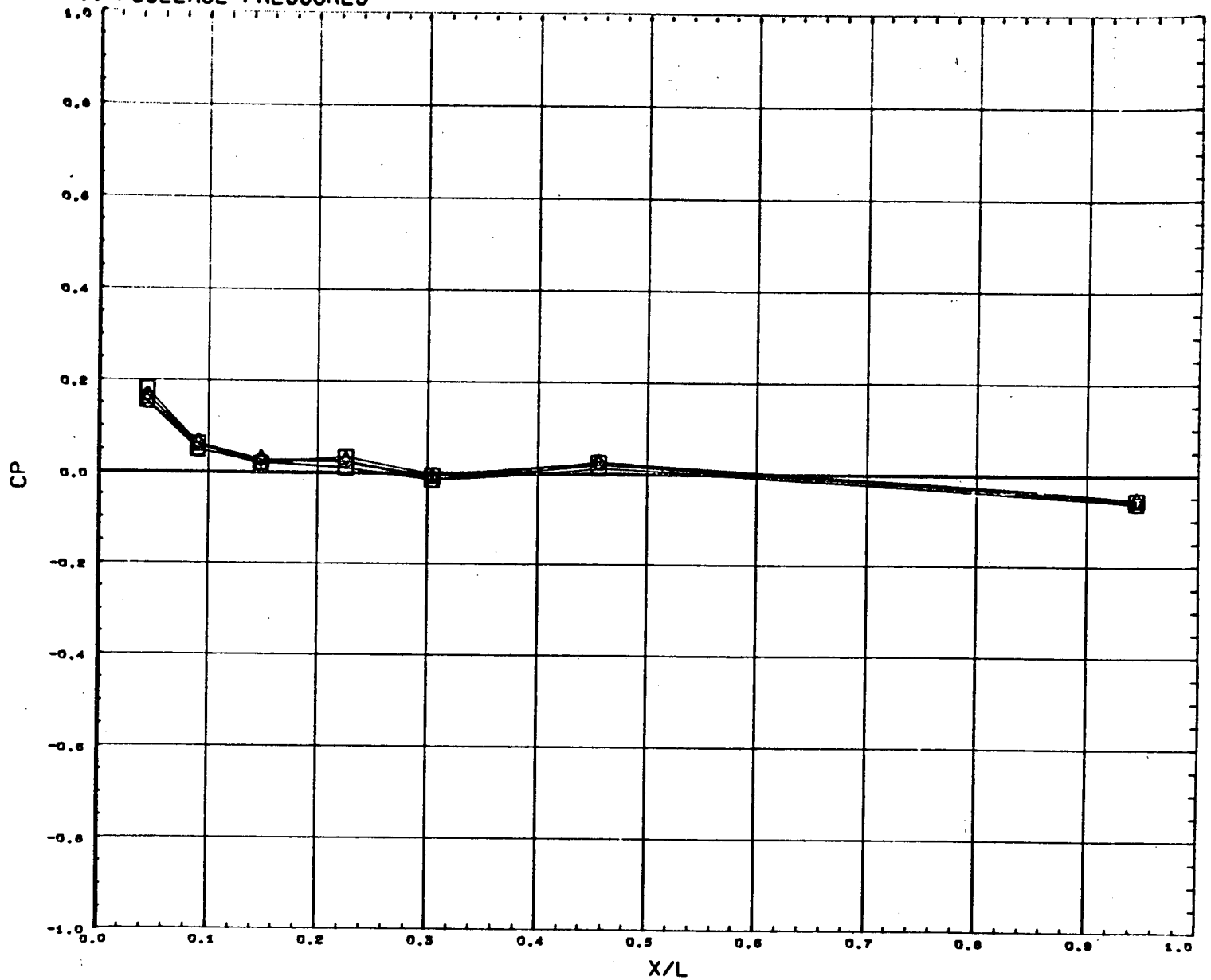
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67013)

PAGE 96

01 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	1.958
△	4.000		
◇	2.000		
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000

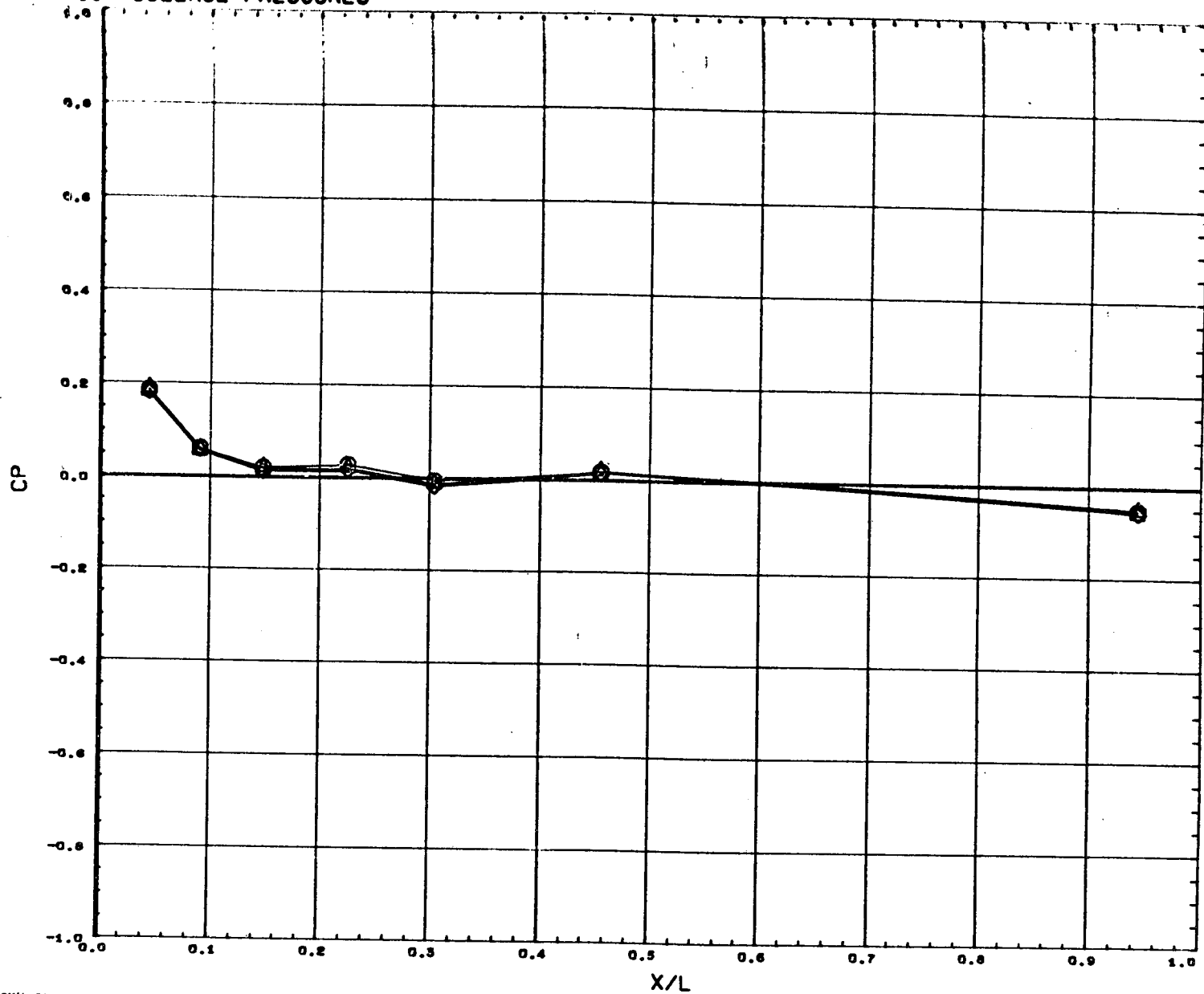
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67013)

PAGE 97

01 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH	ALPHA	PARAMETRIC VALUES
○	2.000	0.000	1.958		0.000
△	4.000				
◇	6.000				

REFERENCE FILE

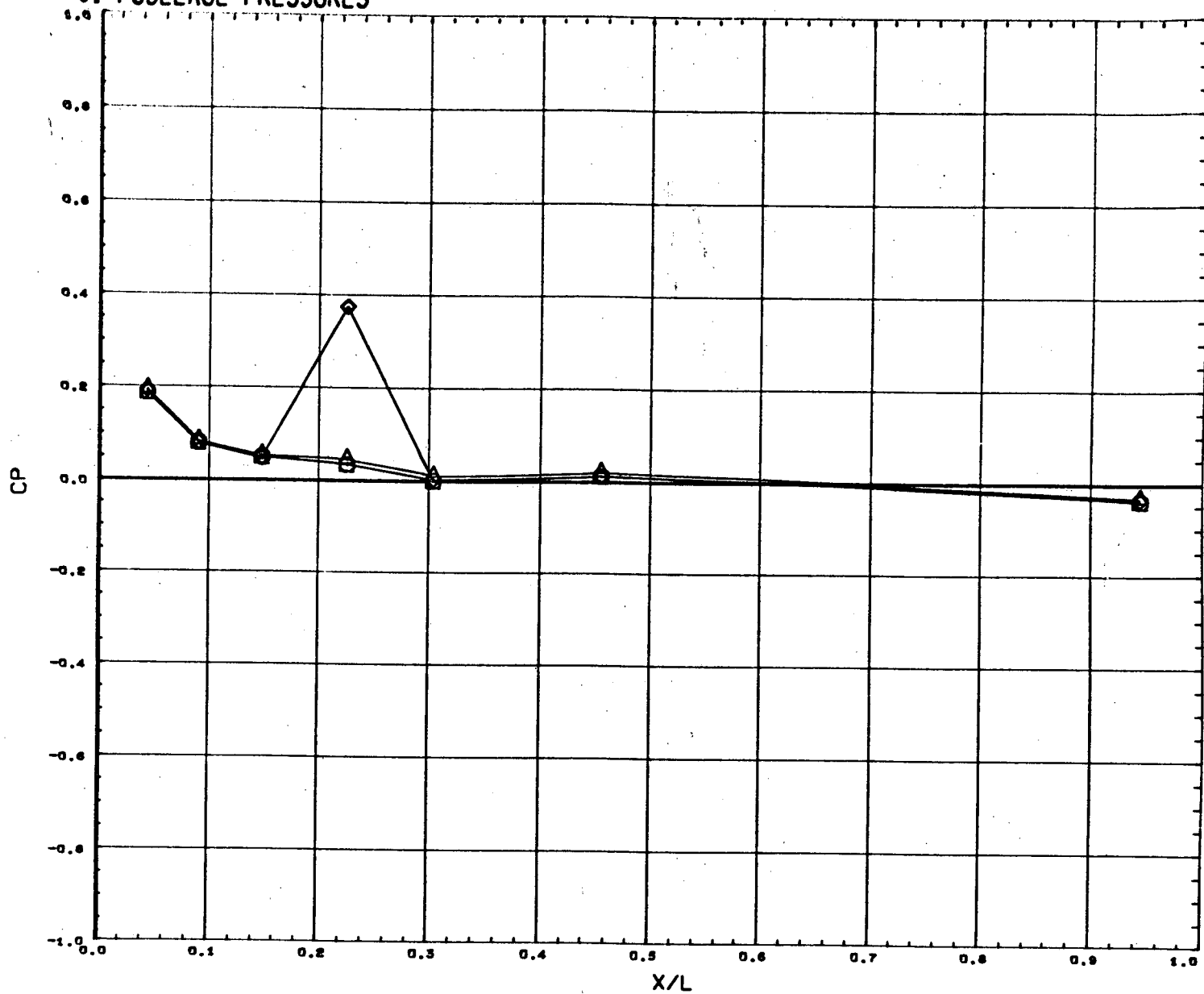
MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67013)

PAGE 98

C

01 FUSELAGE PRESSURES



SYMBOL	BETA	THETA	MACH
○	6.000	0.000	2.740
△	0.000		
◇	6.000		

PARAMETRIC VALUES
ALPHA 0.000

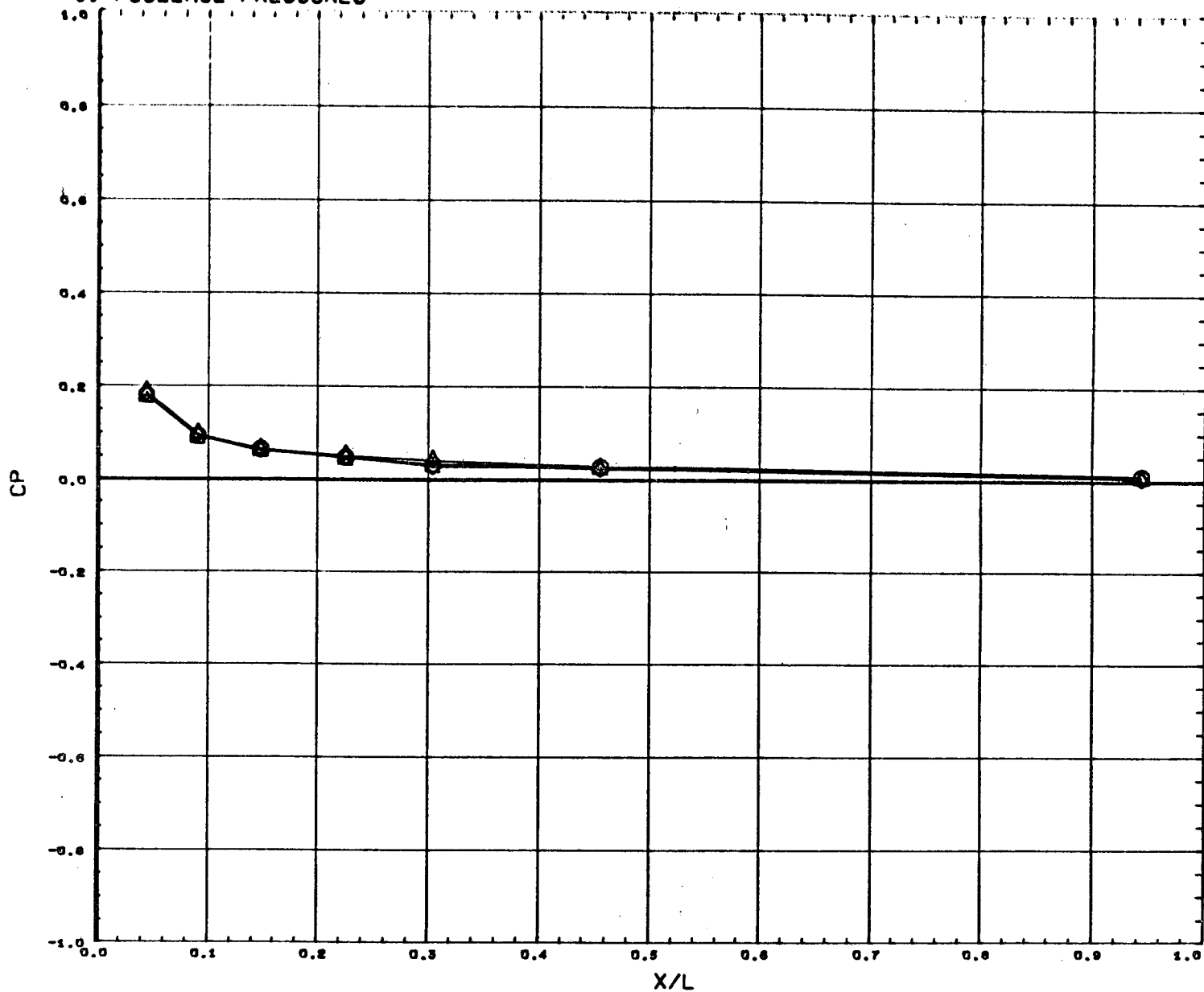
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67014)

PAGE 99

01 FUSELAGE PRESSURES

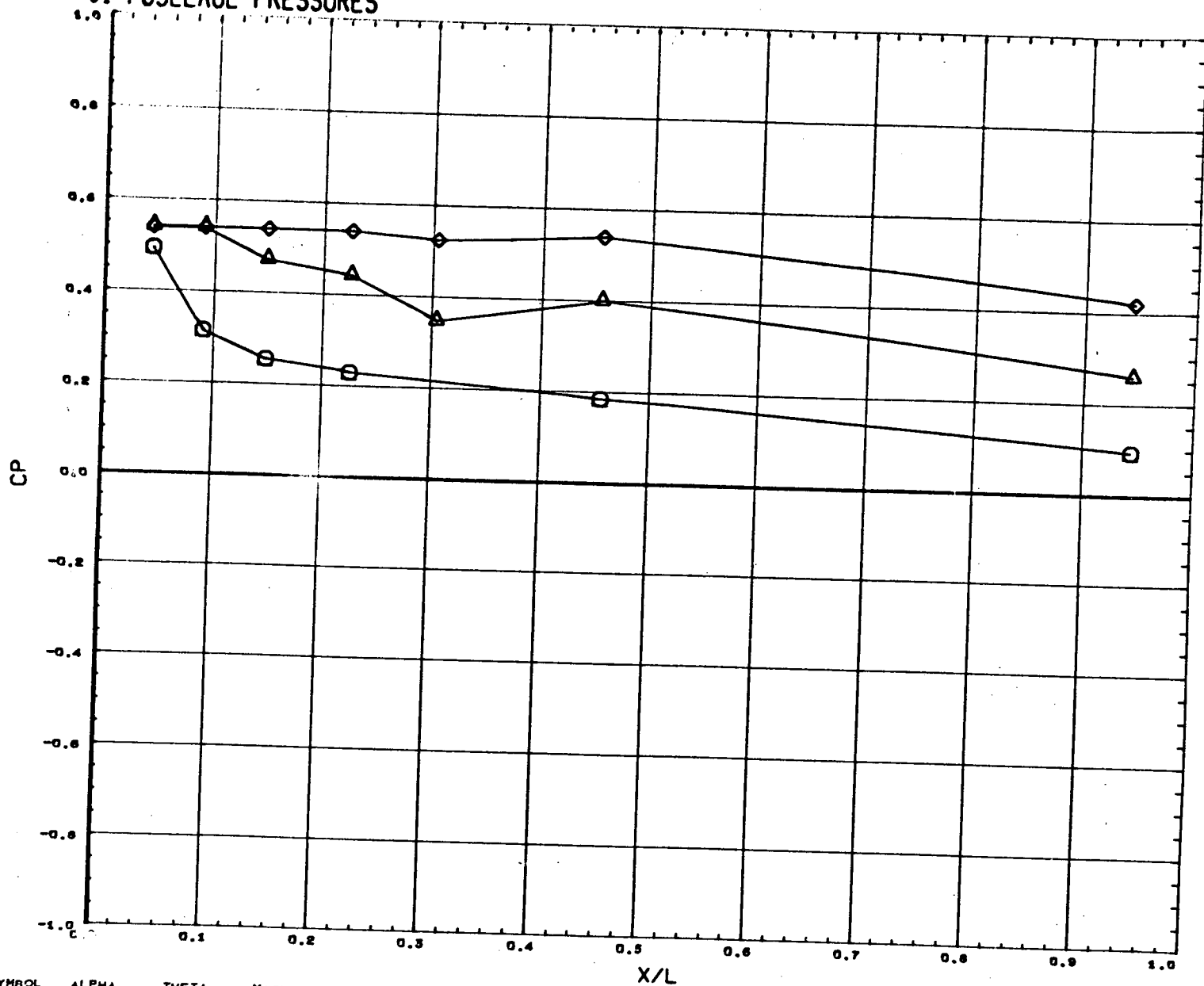


SYMBOL	BETA	THETA	MACH
○	- 6.000	0.000	4.960
△	0.000		
◇	6.000		

PARAMETRIC VALUES
ALPHA 0.000

REFERENCE FILE

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	12.000	0.000	2.740
△	20.000		
◇	26.000		

BETA PARAMETRIC VALUES
0.000

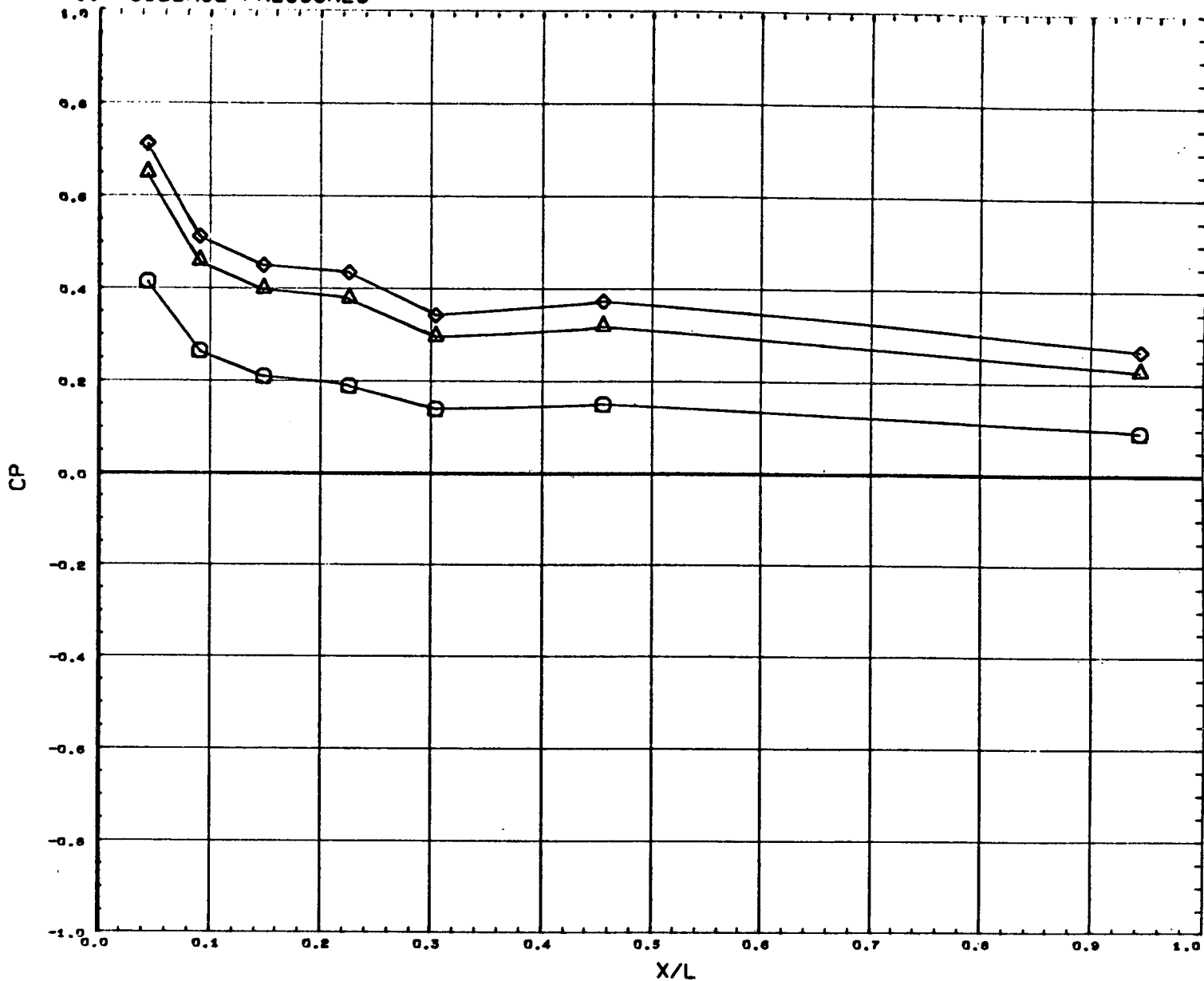
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67015)

PAGE 101

01 FUSELAGE PRESSURES



SYMBOL	ALPHA	THETA	MACH
○	12.000	0.000	4.960
△	20.000		
◇	22.000		

BETA 0.000
PARAMETRIC VALUES

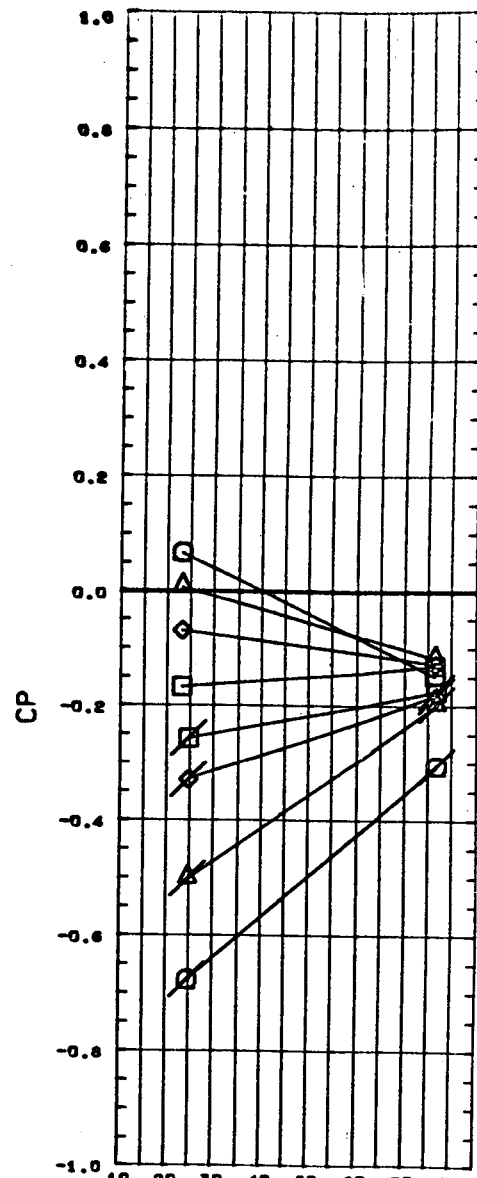
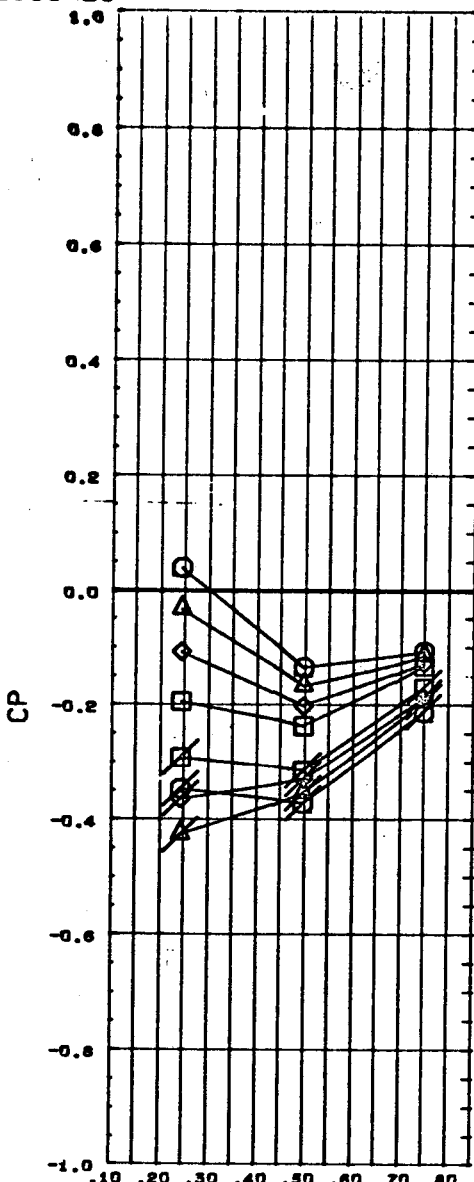
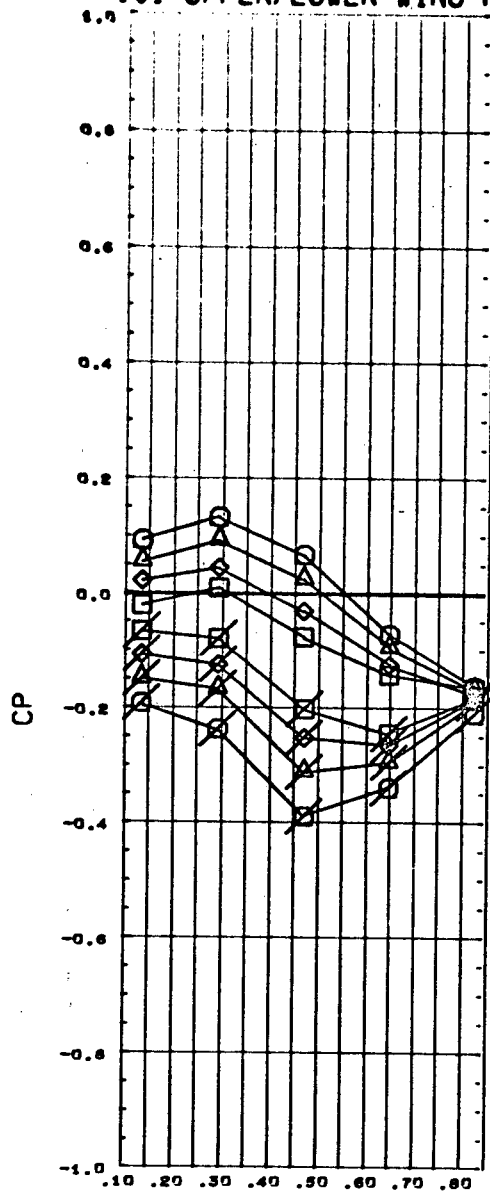
REFERENCE FILE

MSFC TWT 540 LAUNCH PRESSURES 01 (FUSELAGE)

(A67016)

PAGE 102

T101 UPPER/LOWER WING PRESSURES

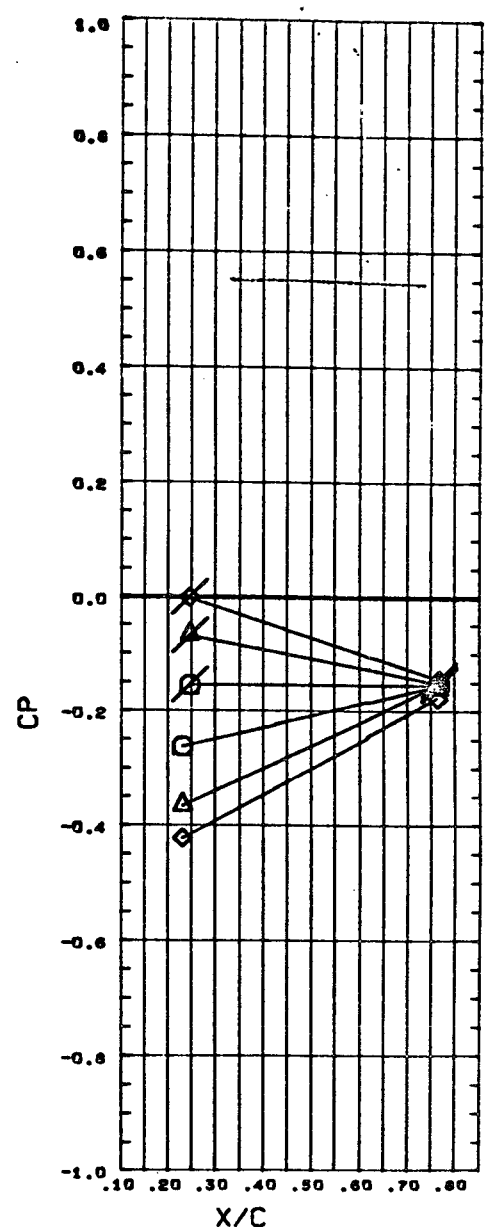
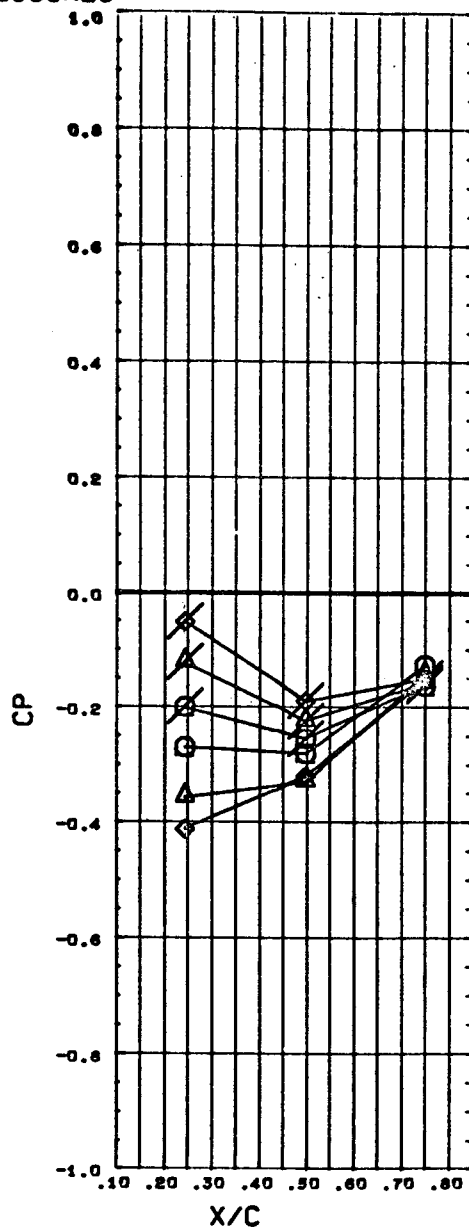
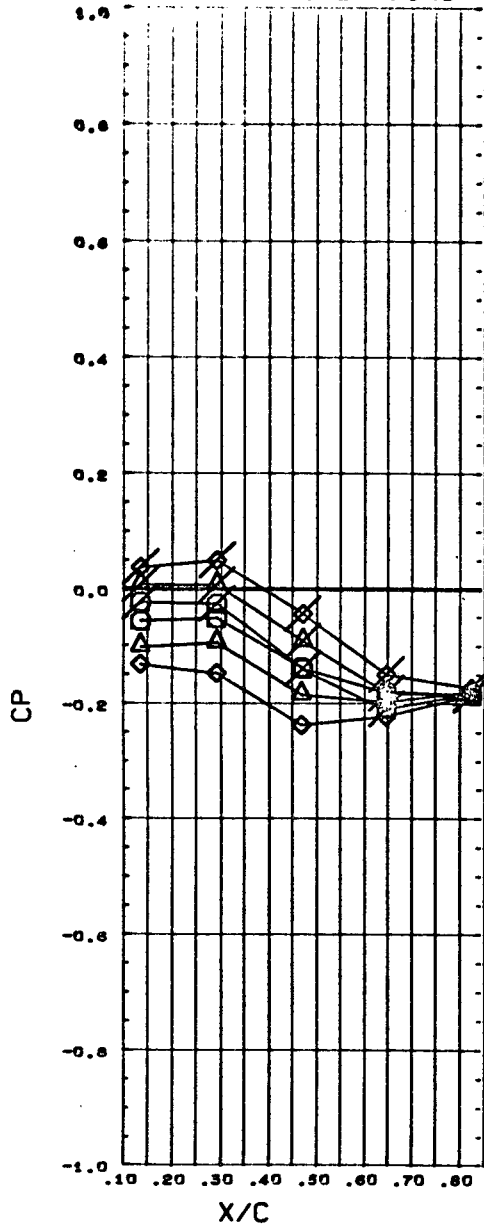


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.692
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67001) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67001) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

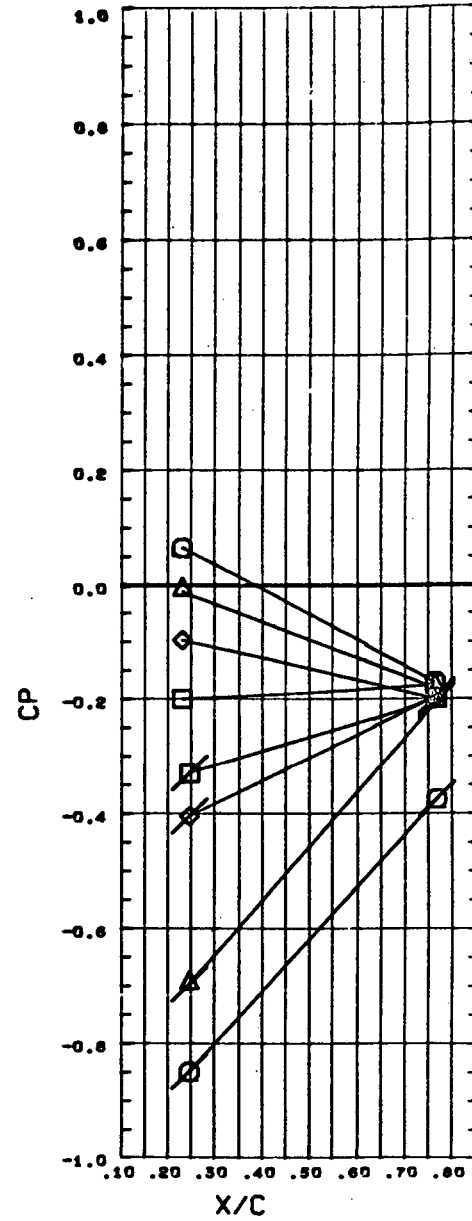
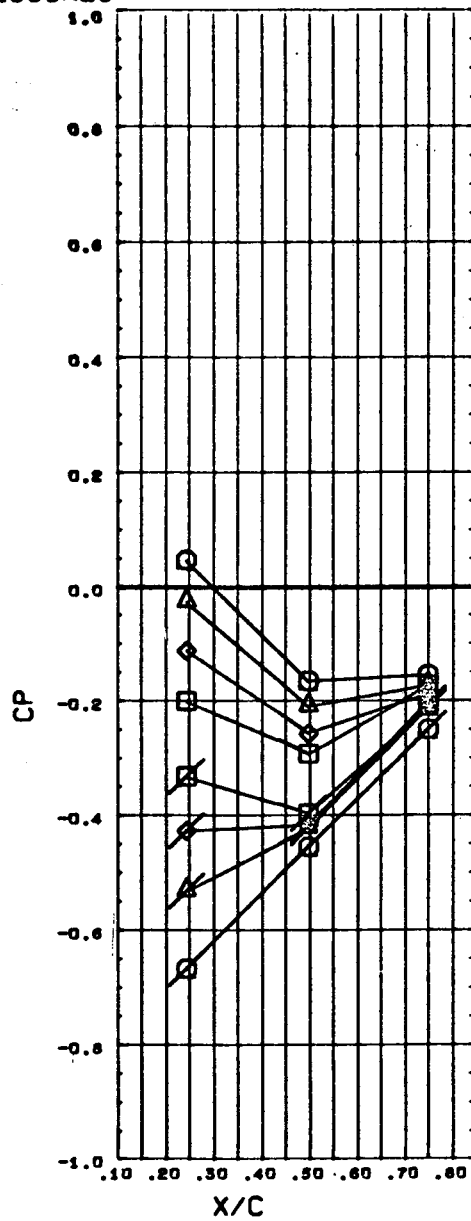
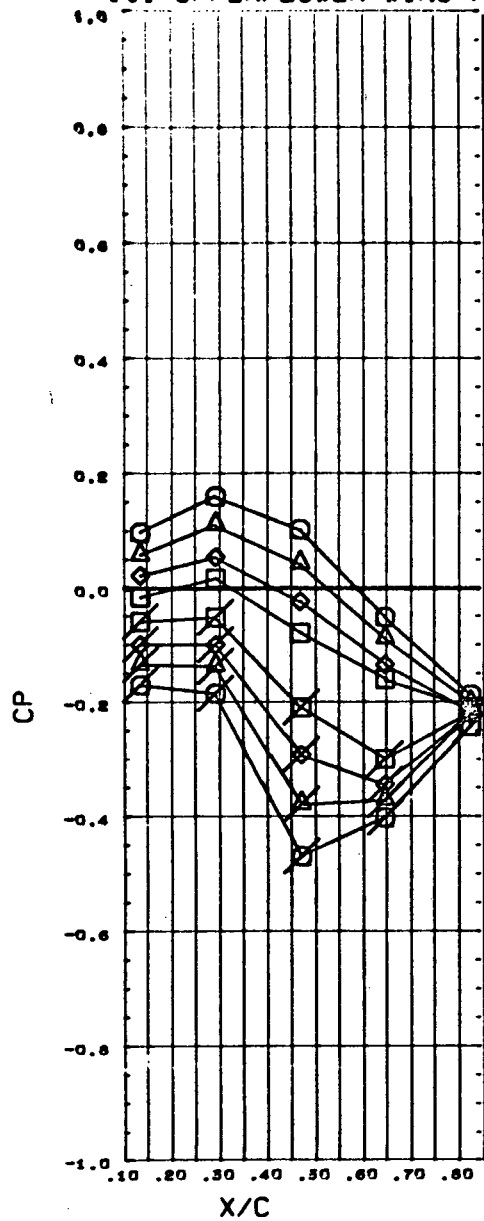


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	0.602
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67001)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67001)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

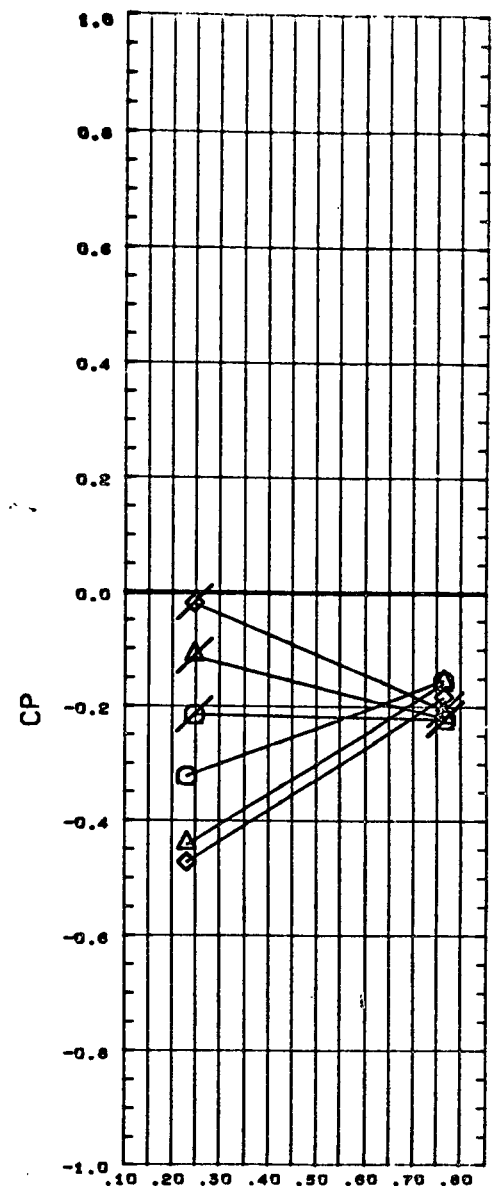
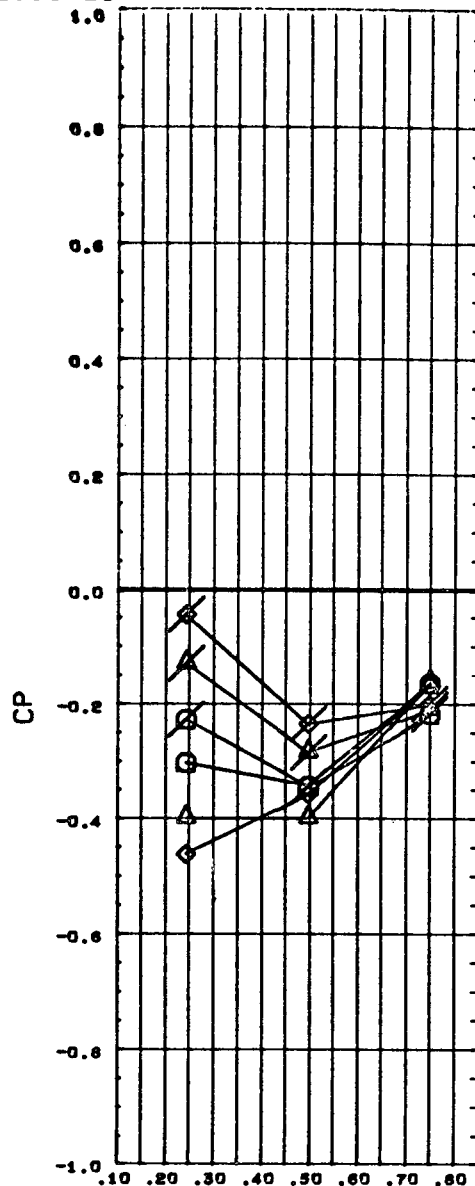
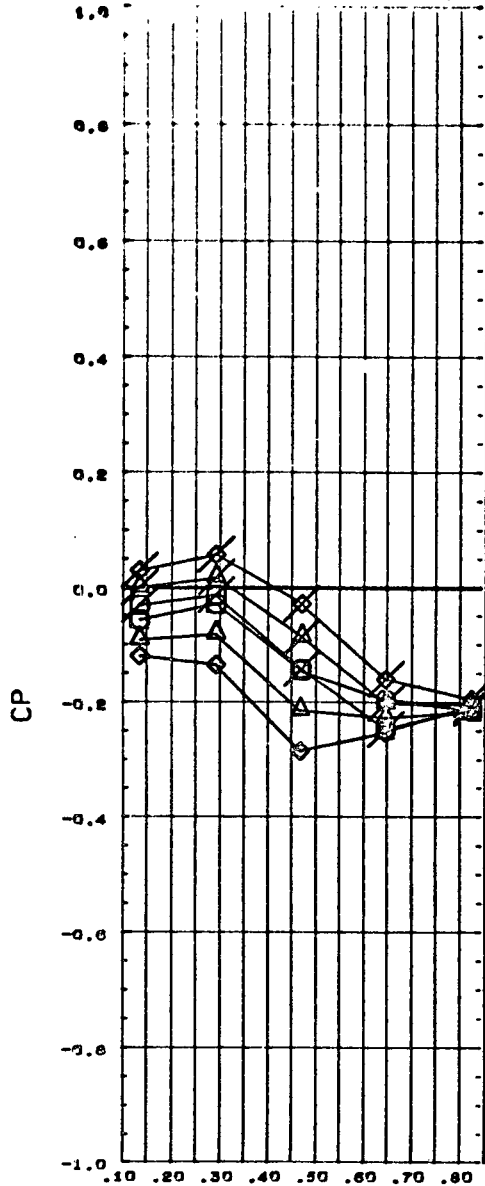


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.803
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67001) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
 (C67001) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500

T101 UPPER/LOWER WING PRESSURES

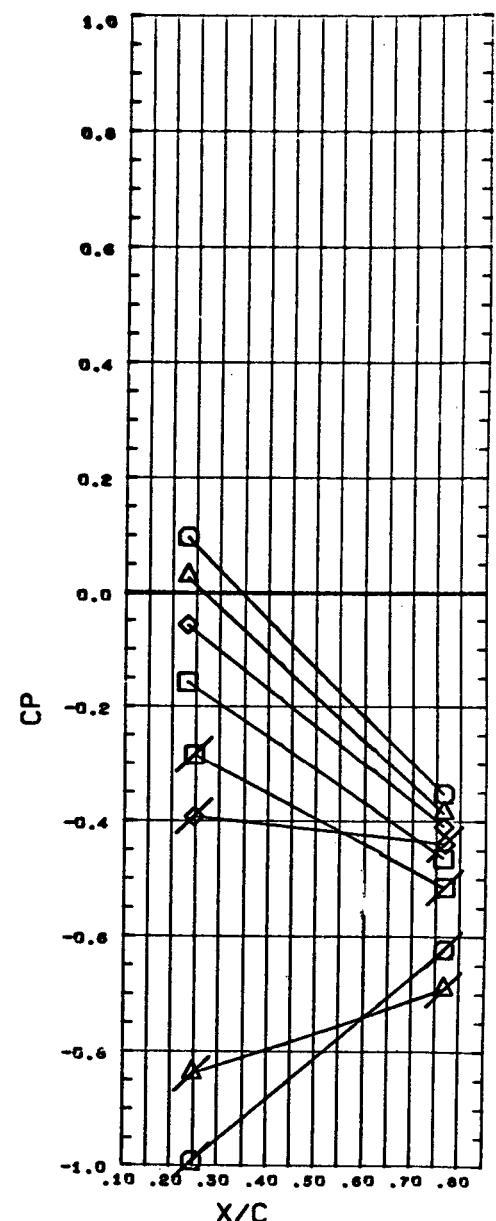
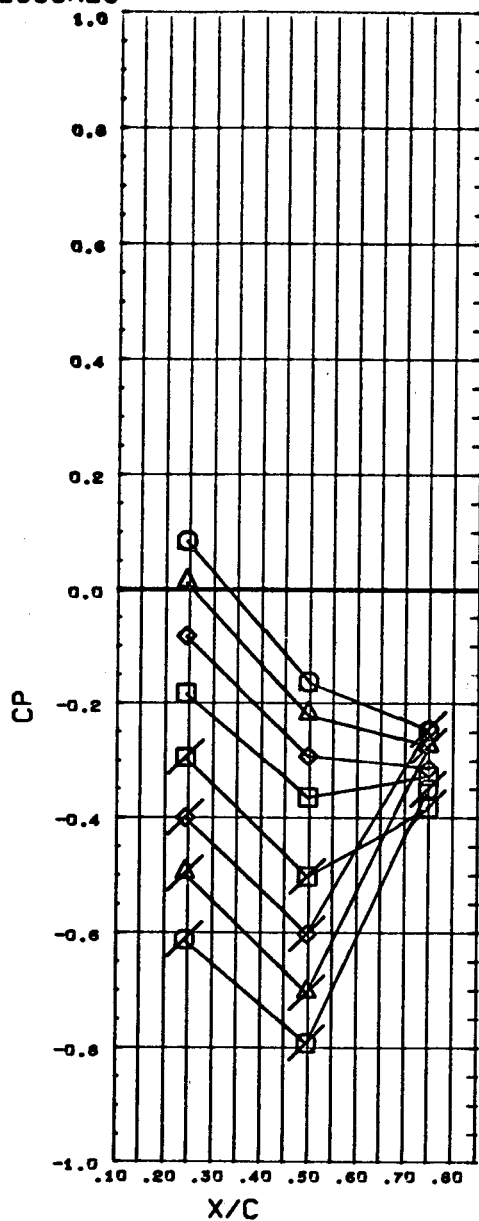
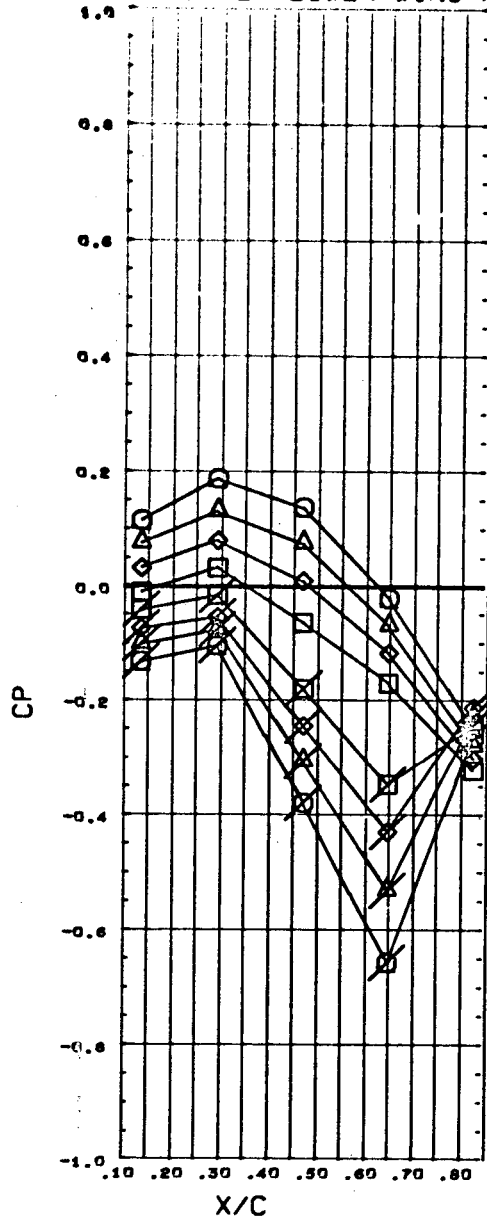


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	0.803
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67001) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
 (C67001) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

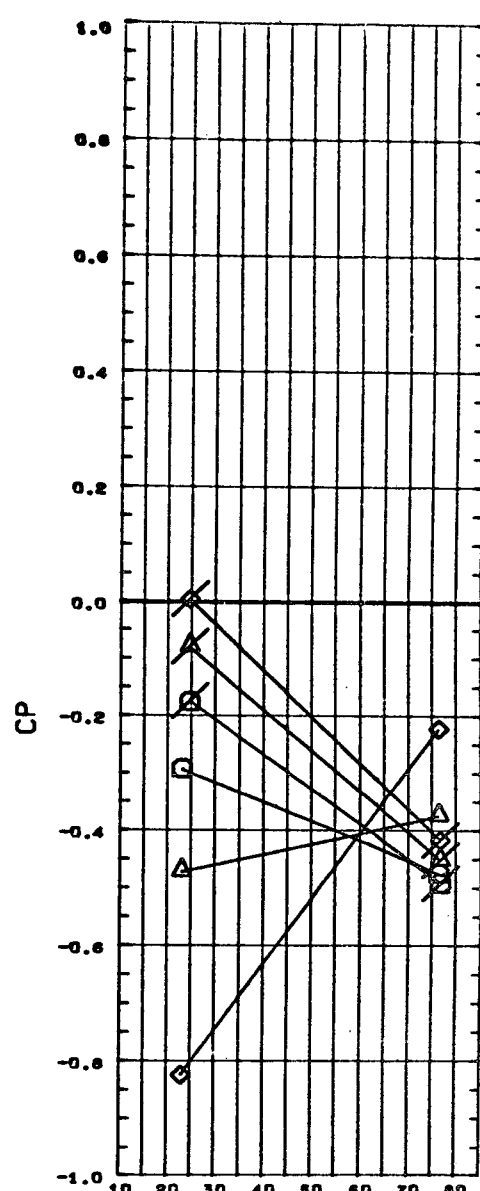
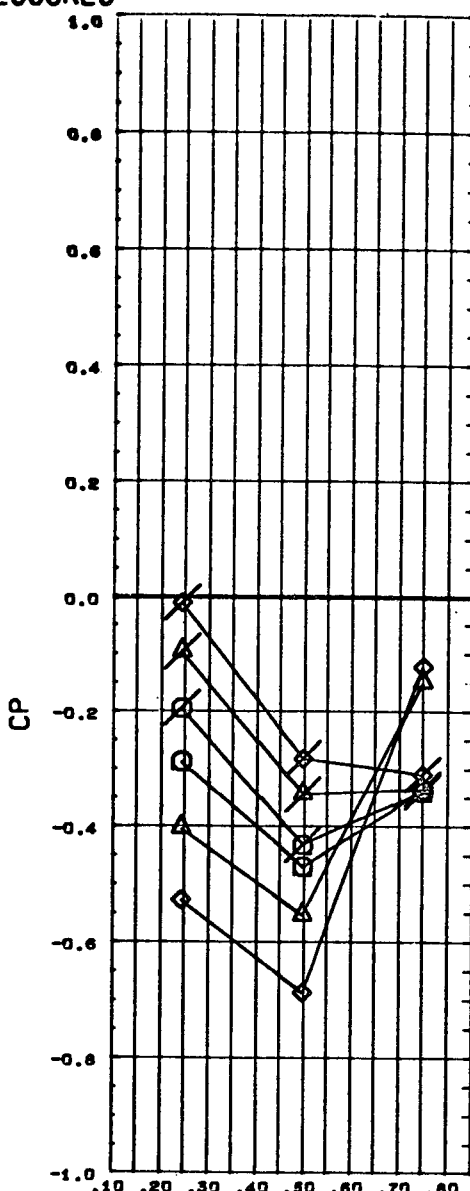
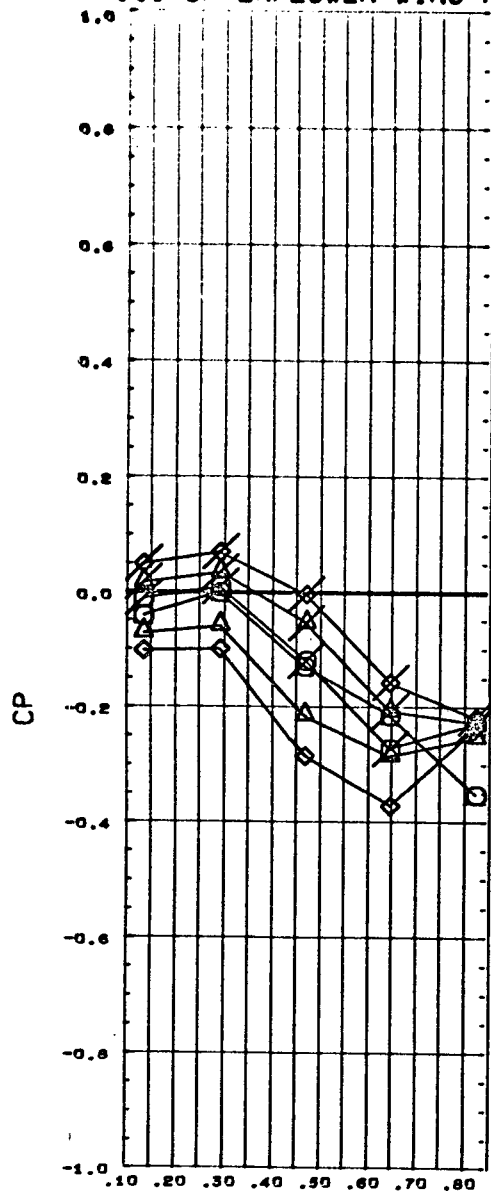


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.904
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67001) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
 (C67001) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500

T101 UPPER/LOWER WING PRESSURES

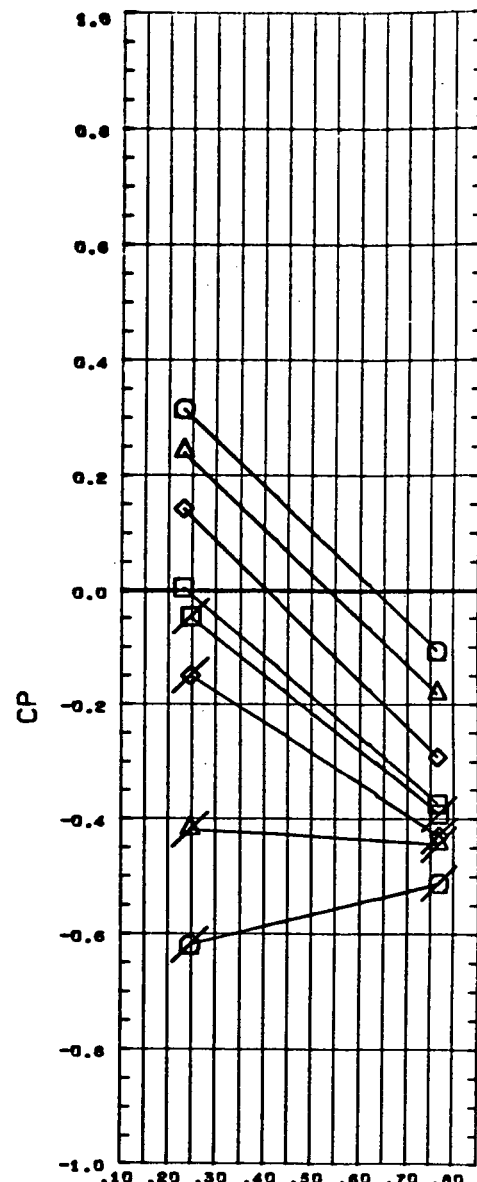
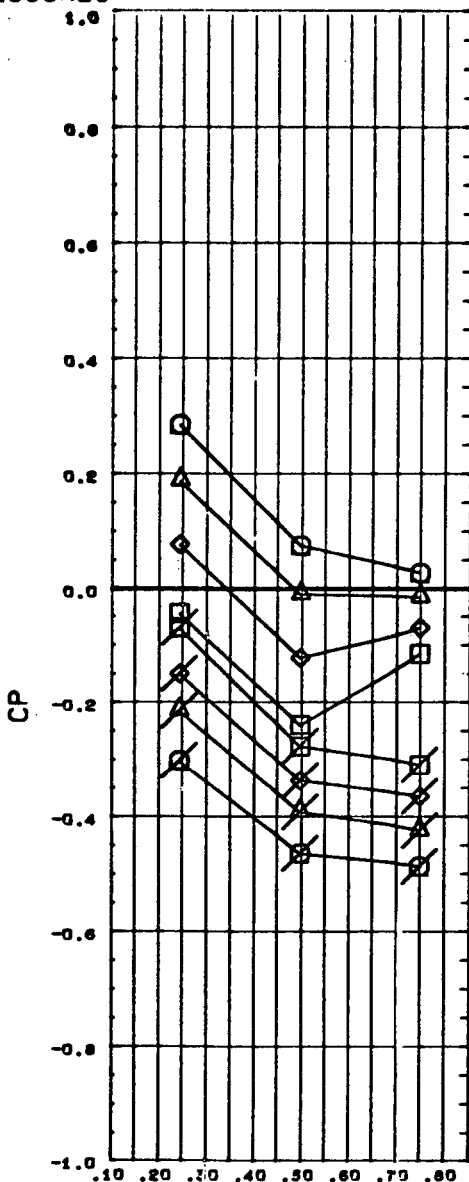
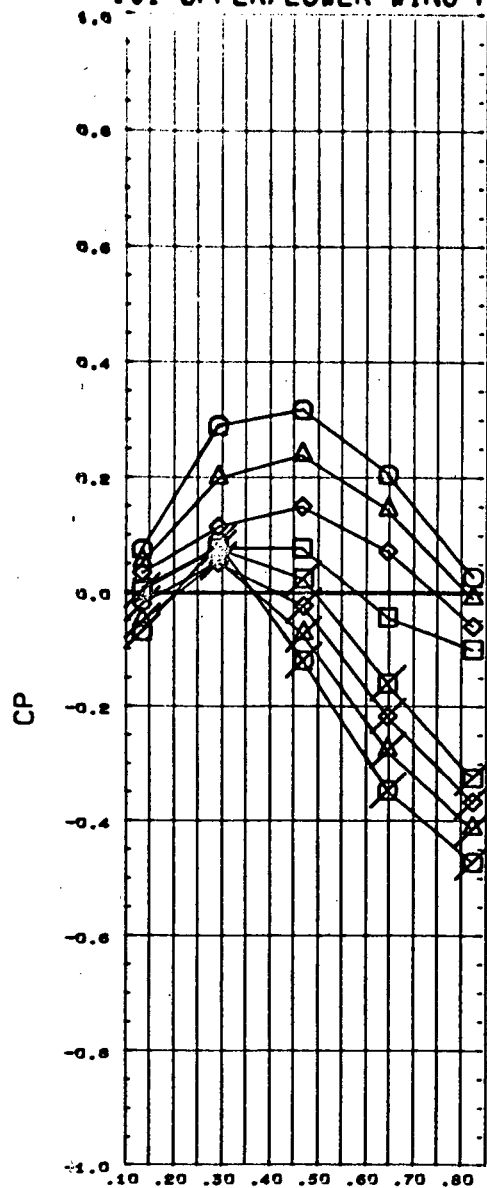


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	0.904
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(867001) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67001) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

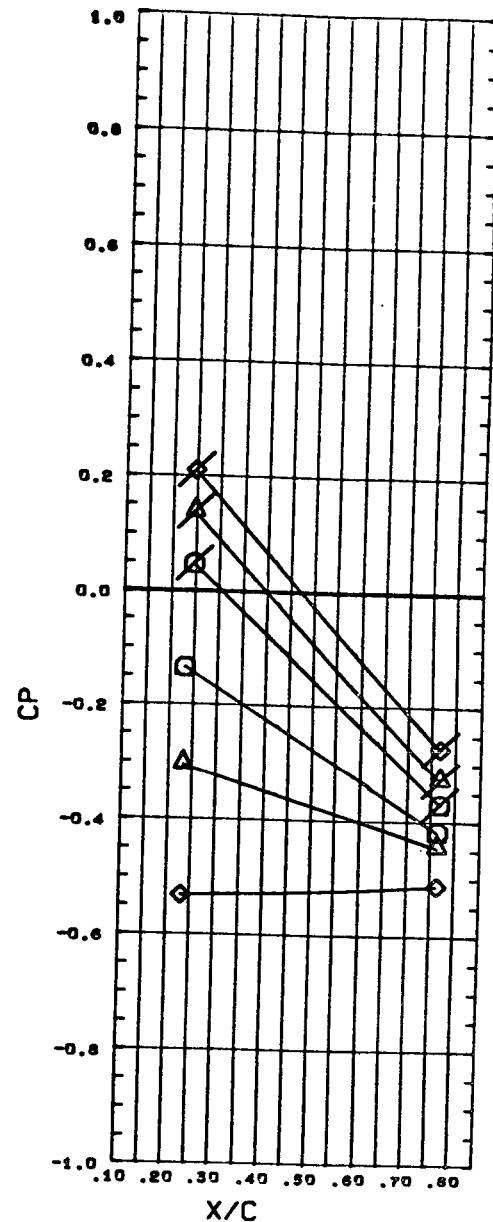
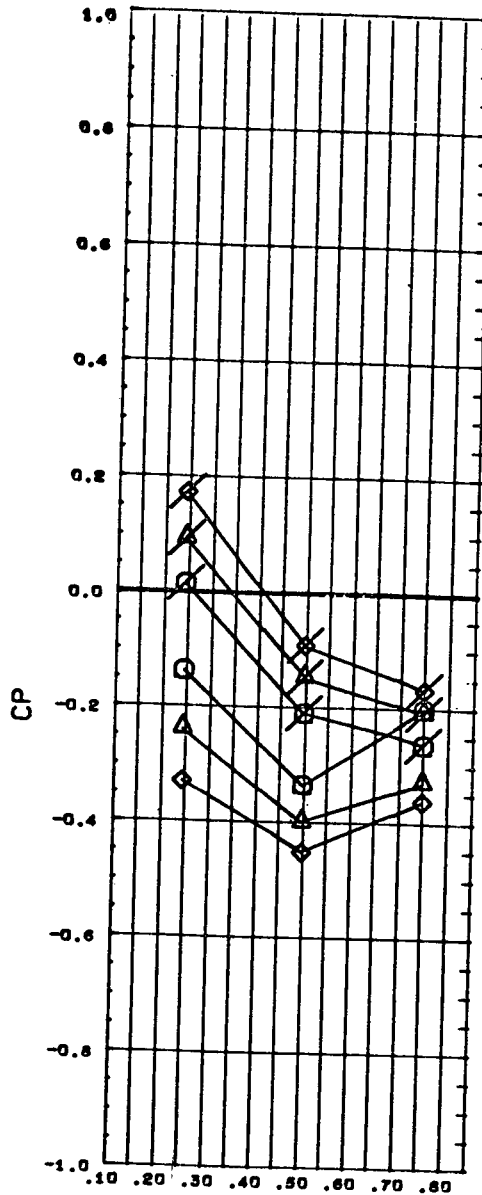
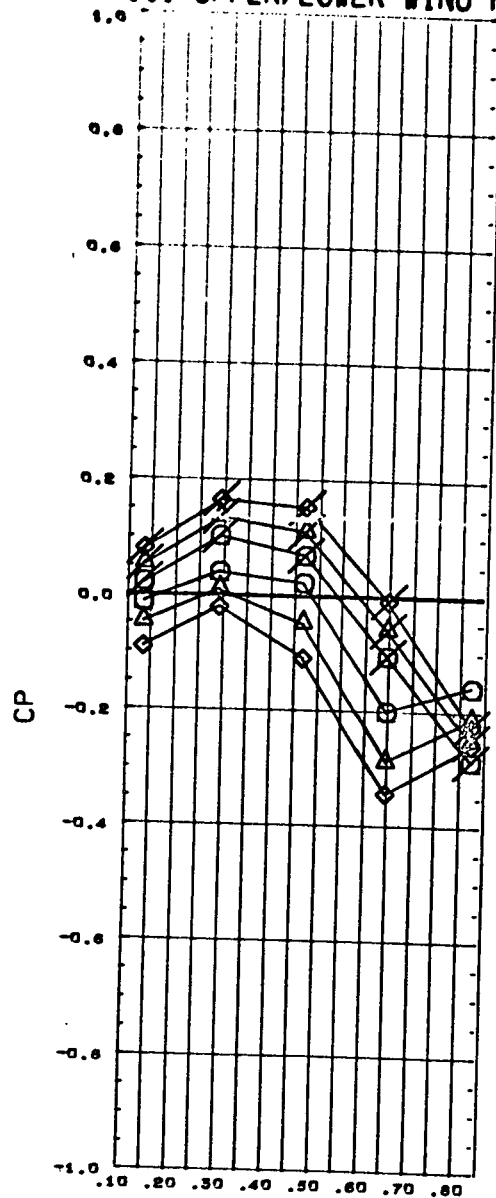


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.105
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67001) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
 (C67001) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500

T101 UPPER/LOWER WING PRESSURES

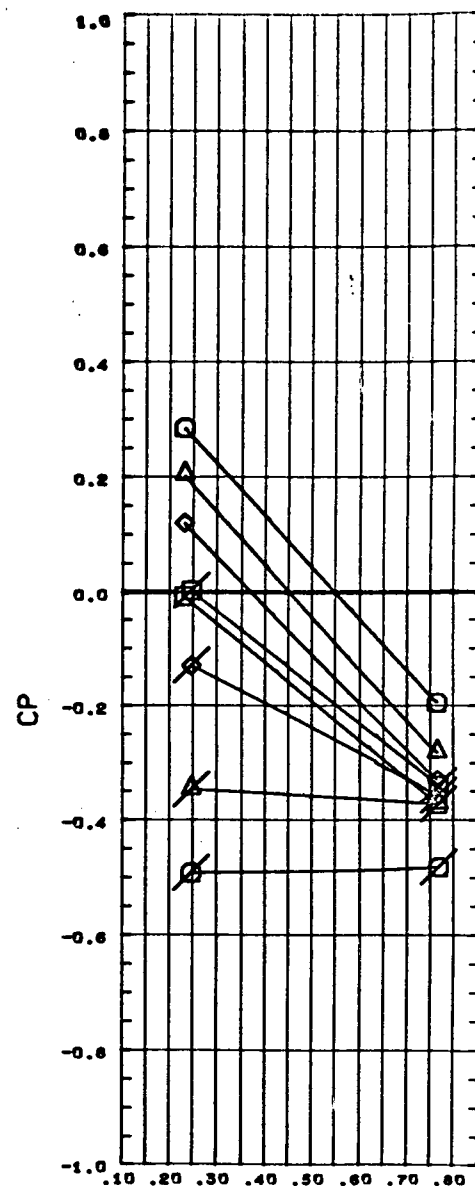
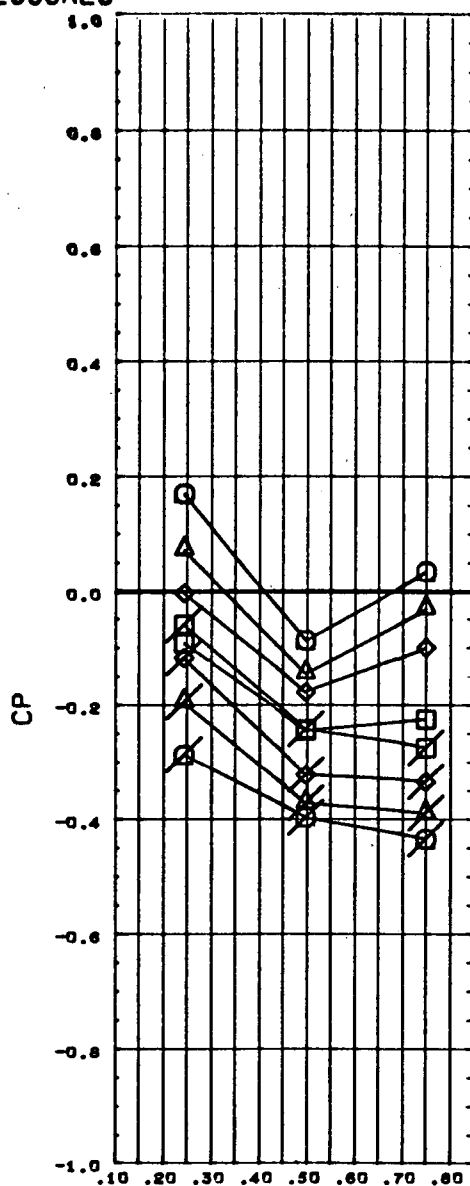
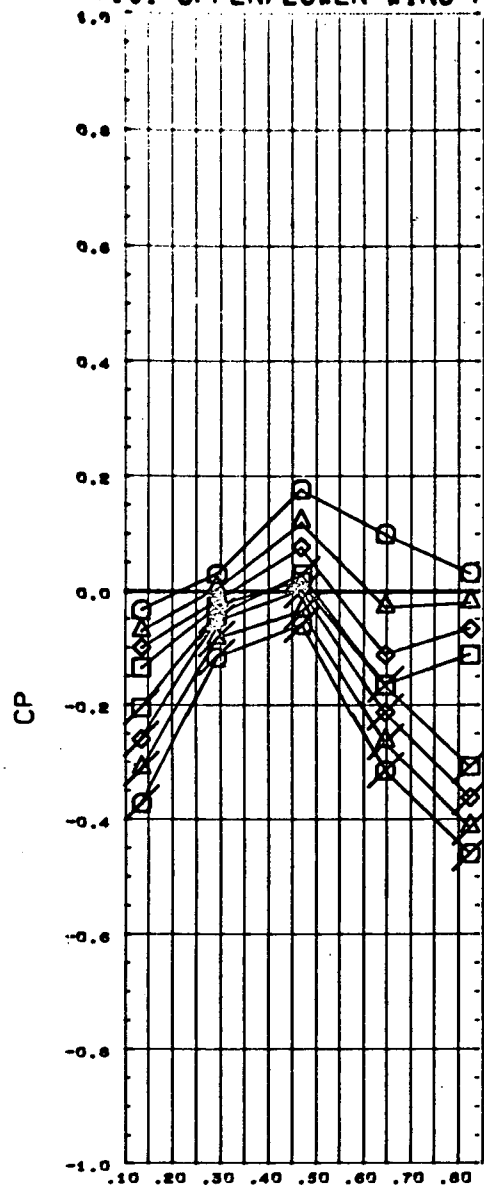


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	1.105
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67001)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67001)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

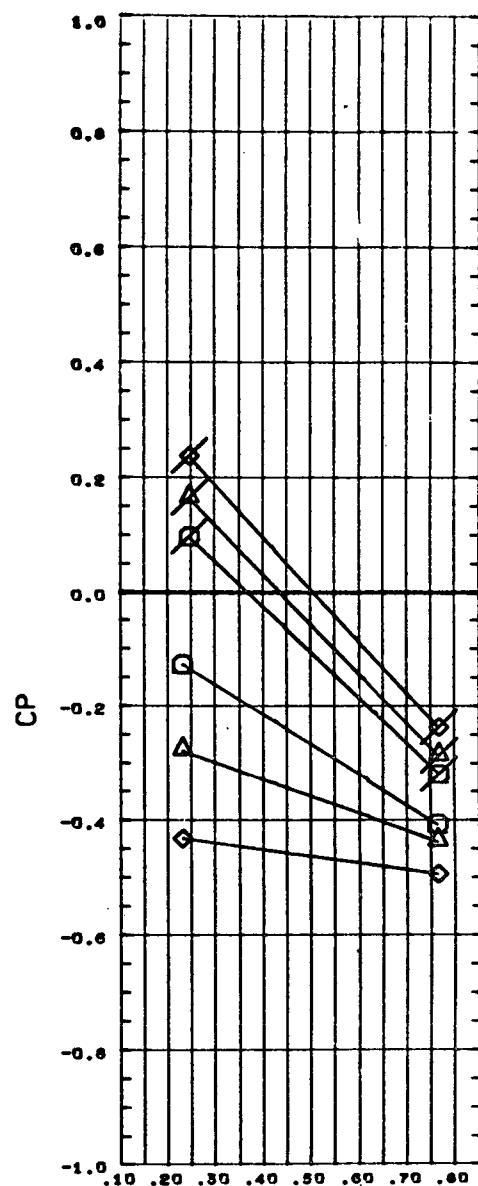
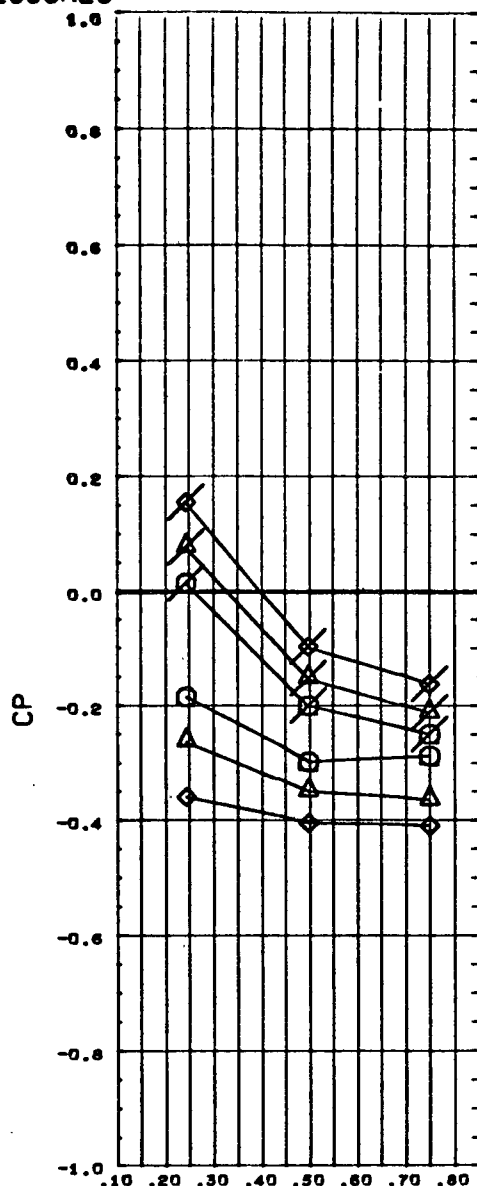
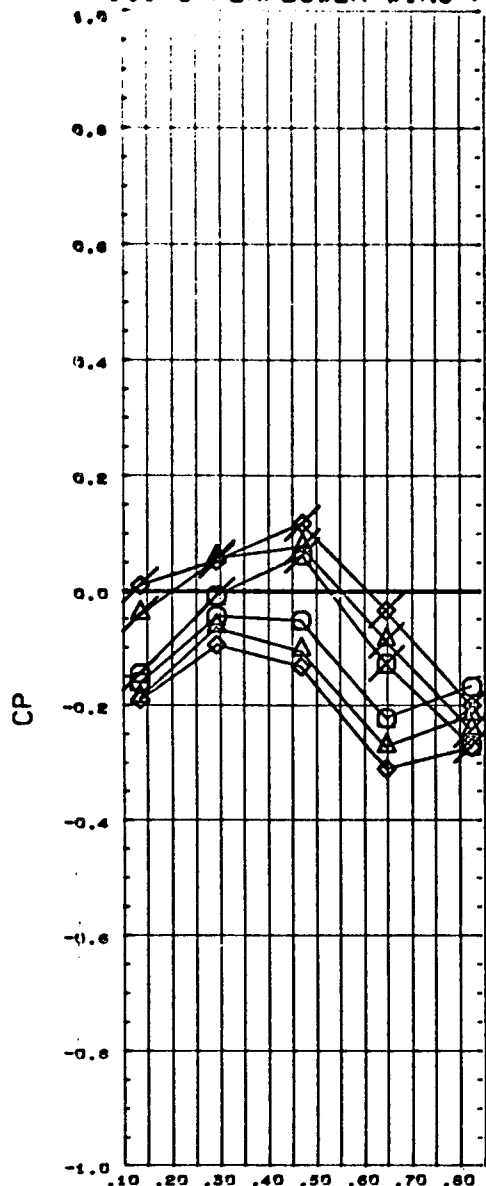


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.195
△	4.000	0.360	
◇	2.000	0.645	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67001) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
 (C67001) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500

T101 UPPER/LOWER WING PRESSURES

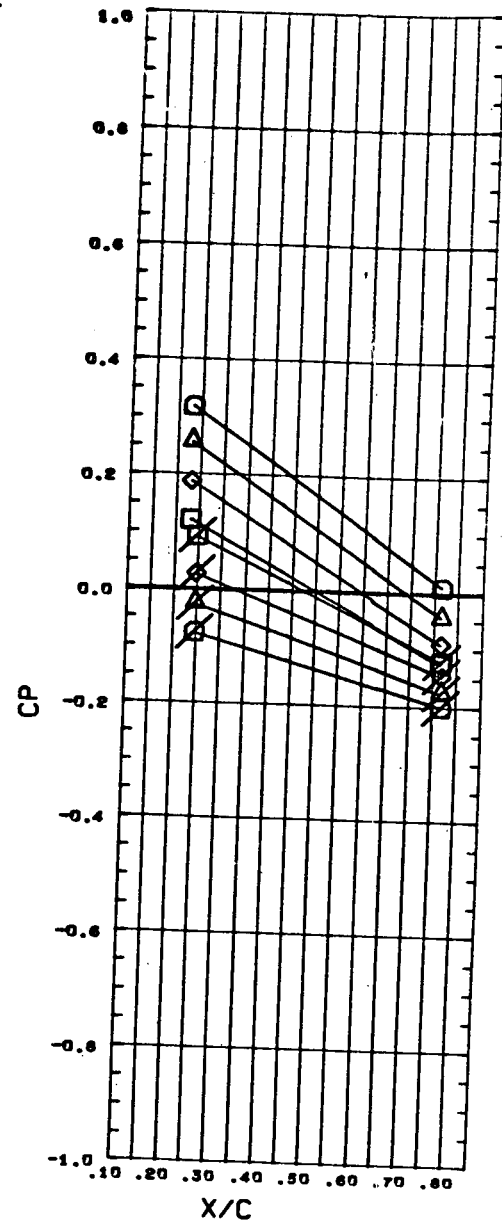
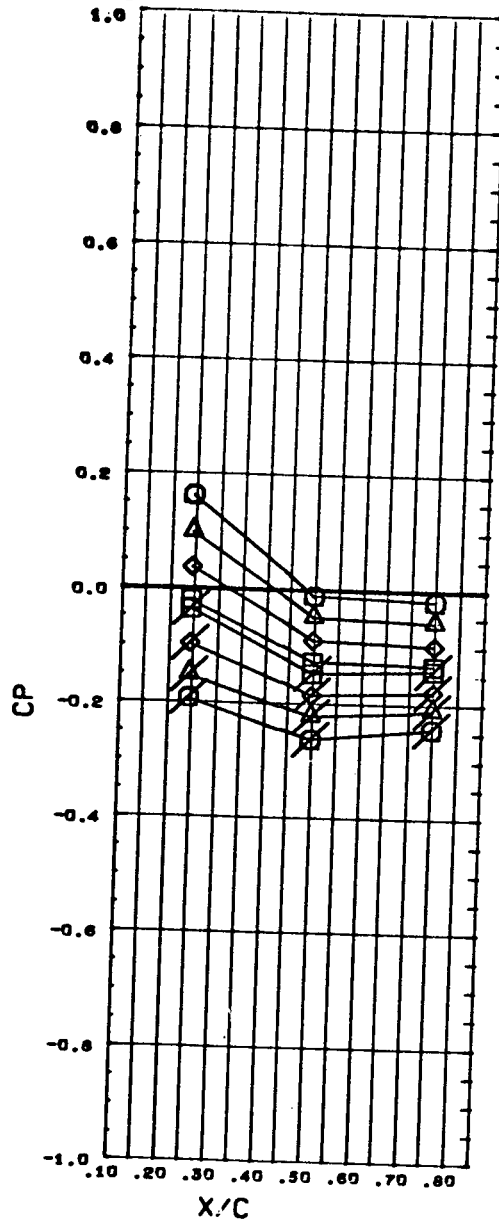
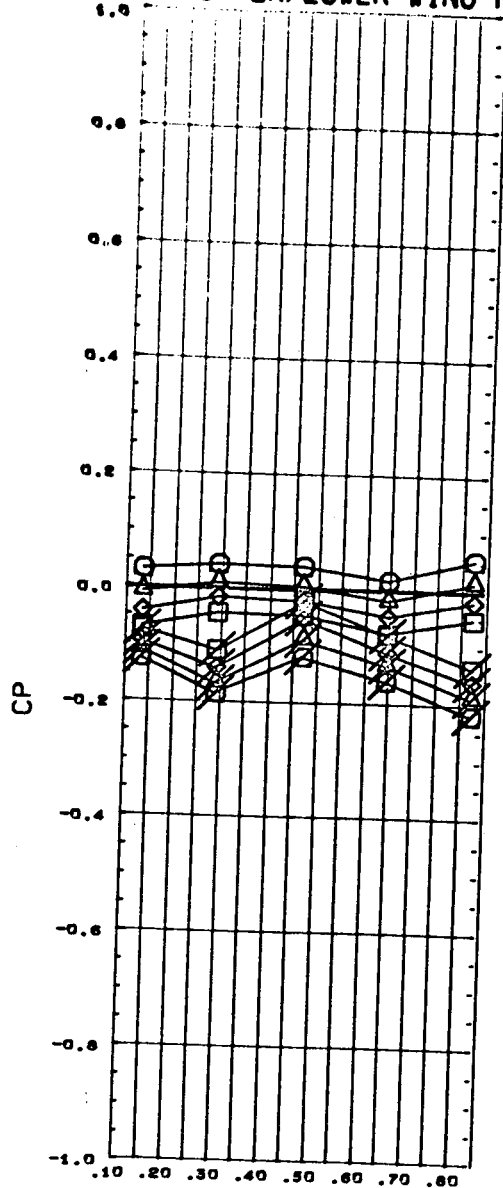


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	1.195
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(867001)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C87001)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

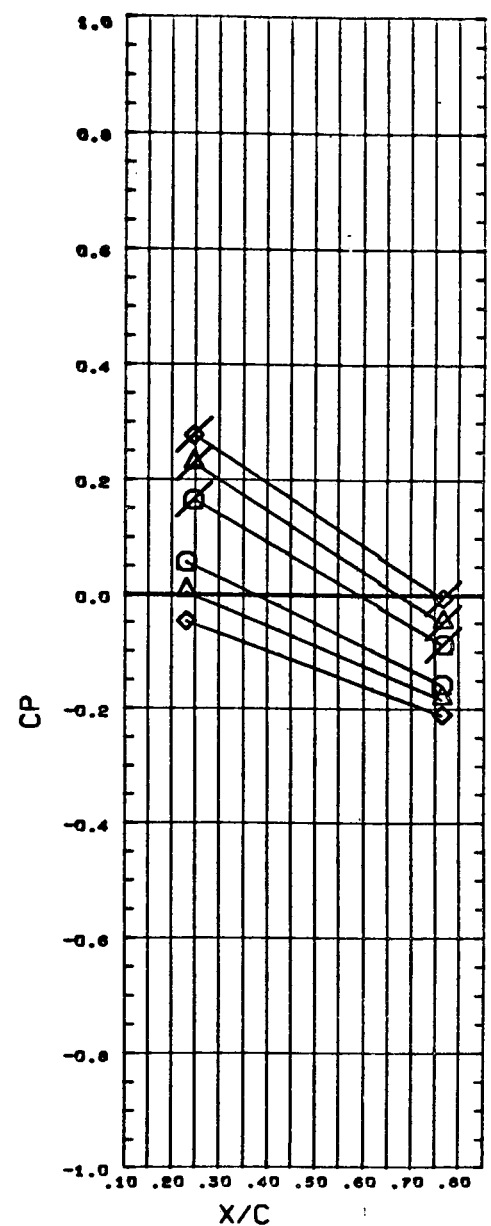
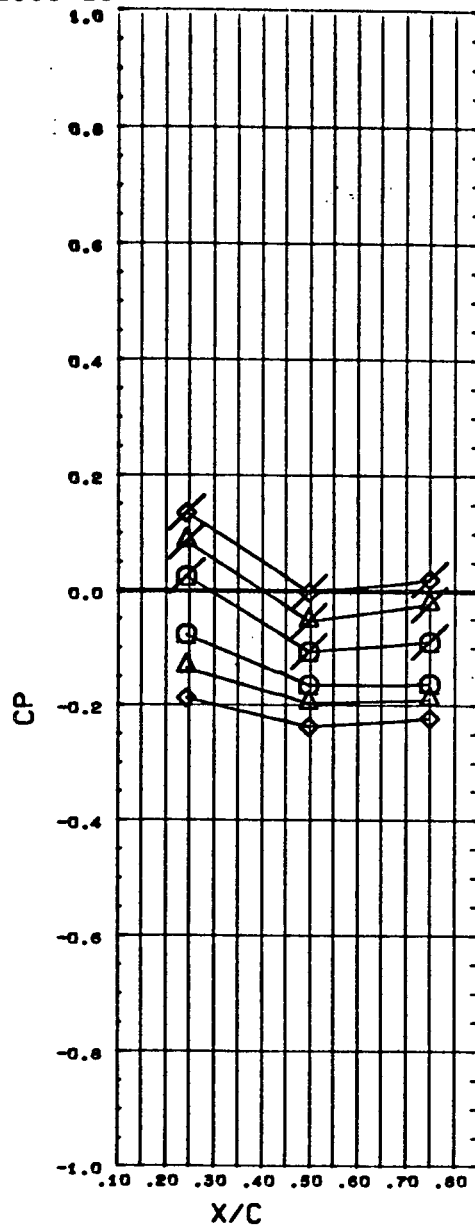
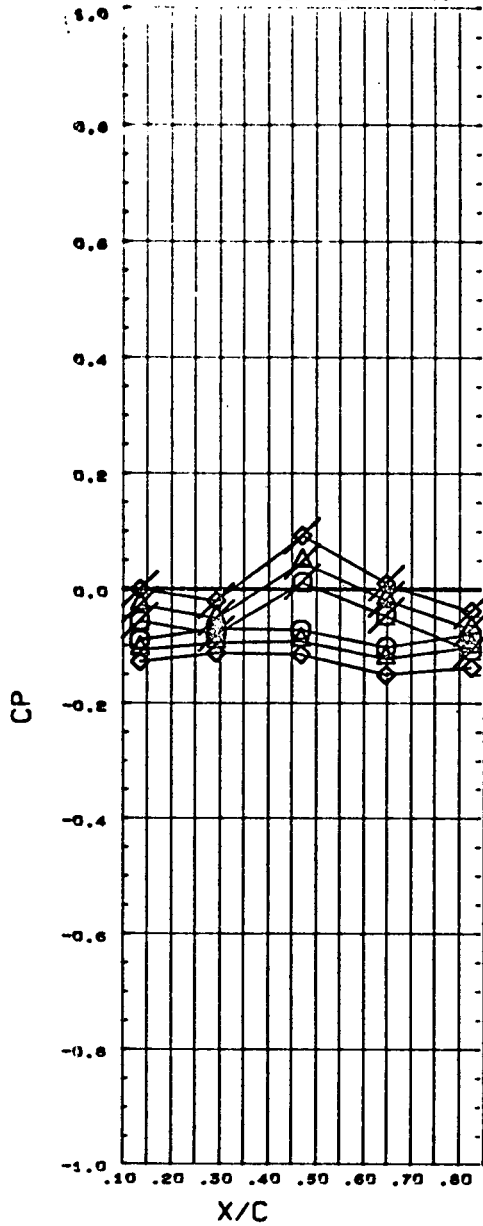


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.967
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(867001) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67001) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

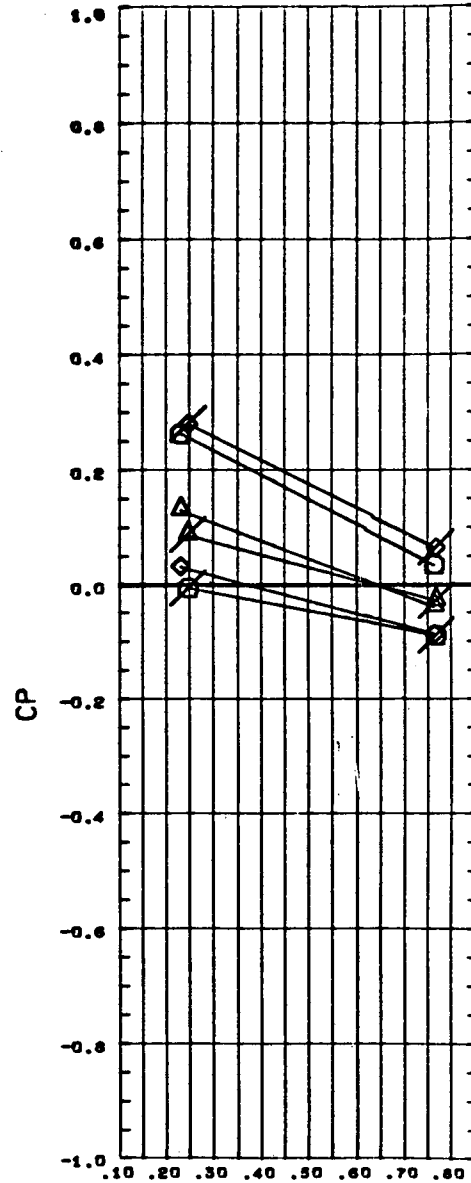
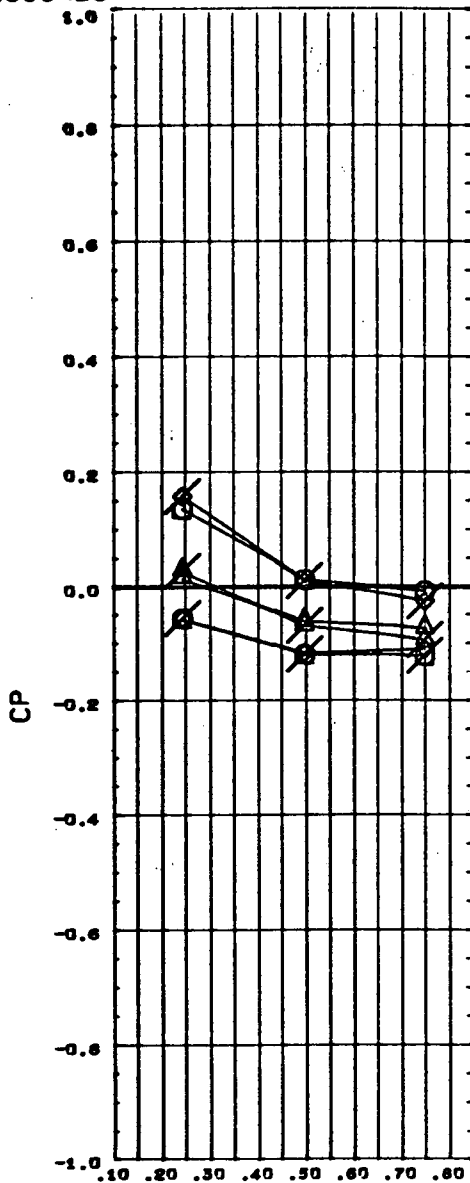
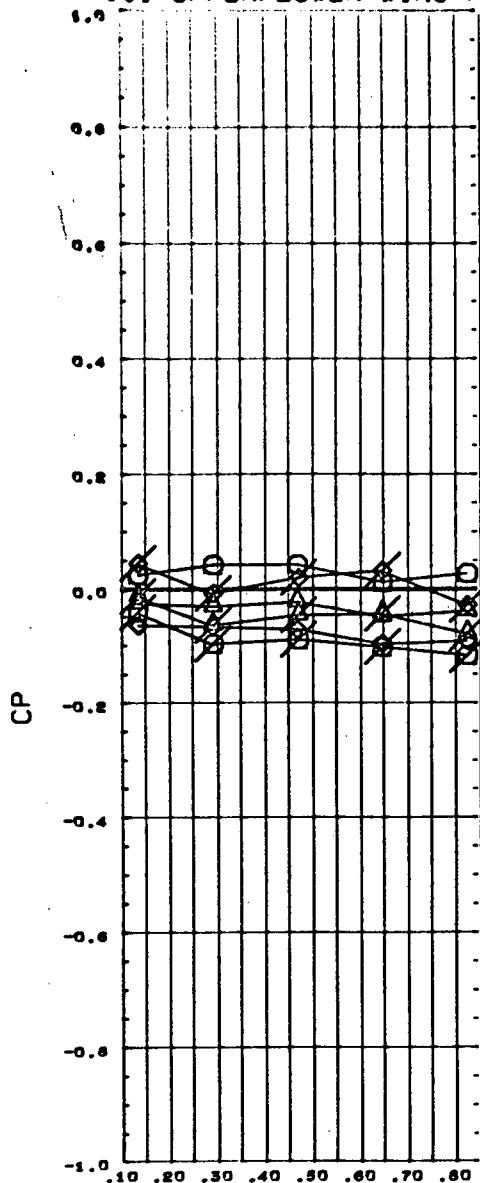


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	1.967
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67001) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67001) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

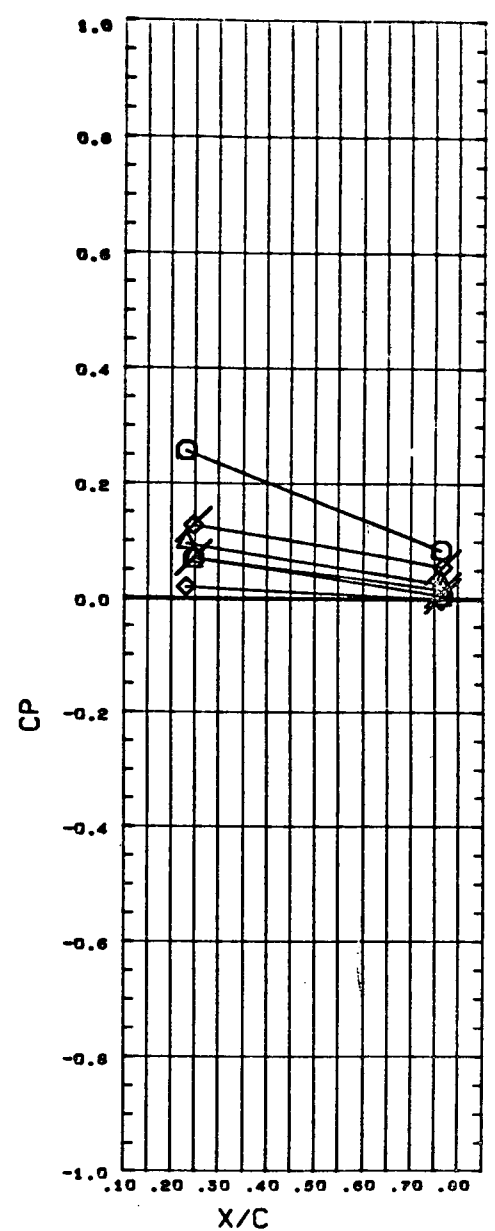
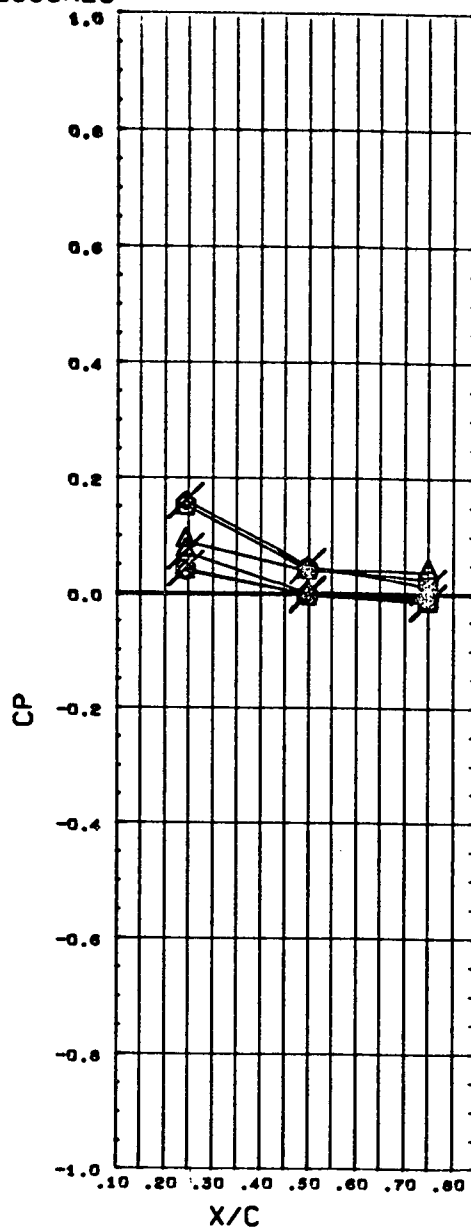
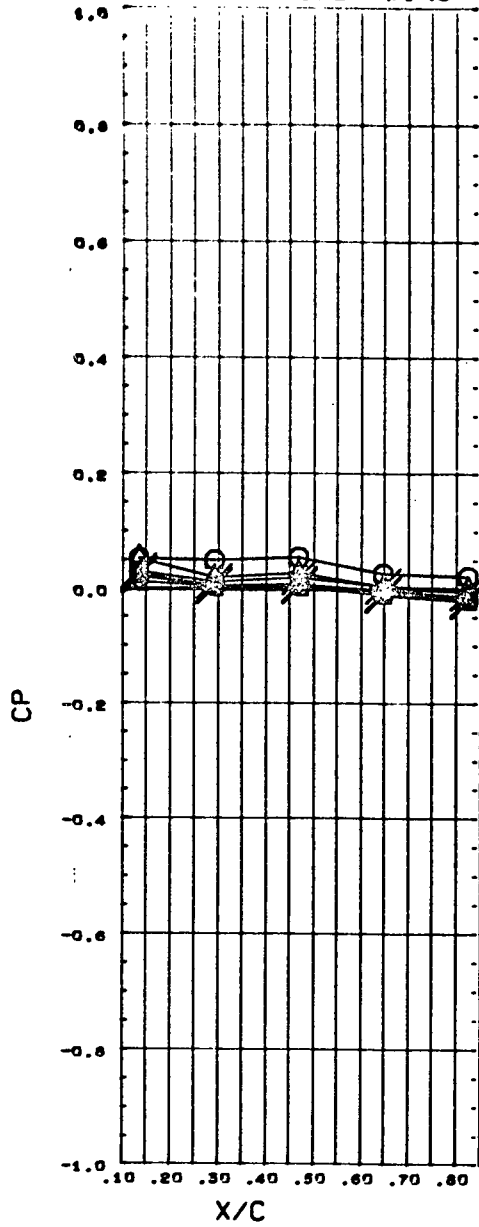


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	2.740
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67002)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67002)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

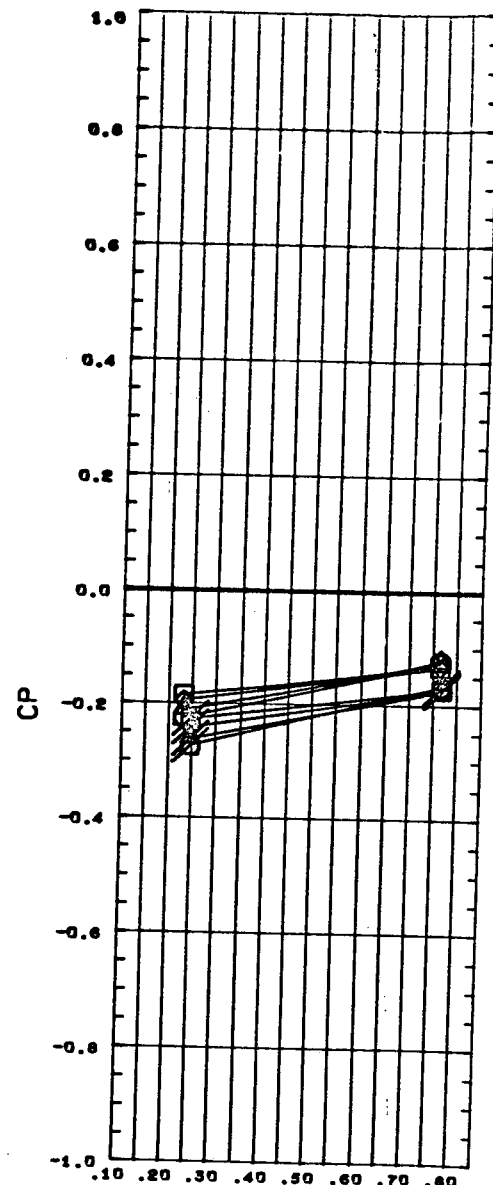
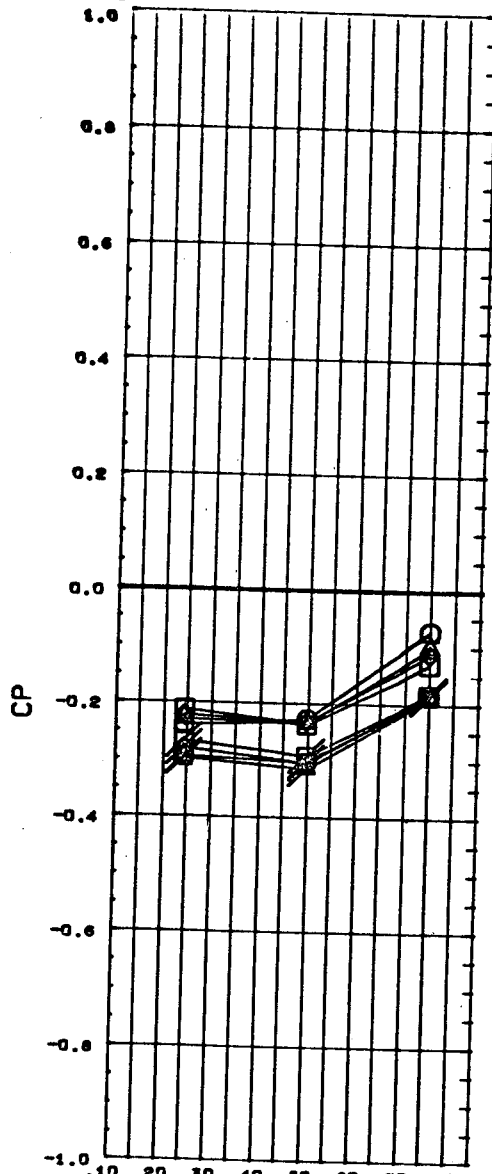
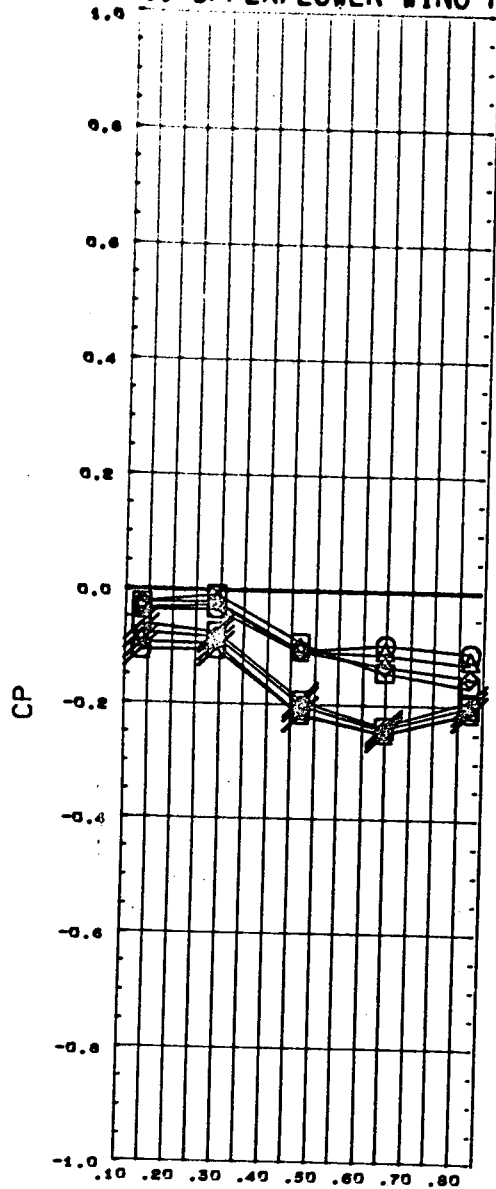


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	4.960
△	6.000	0.560	4.960
◇	6.000	0.845	4.960

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67002) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67002) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

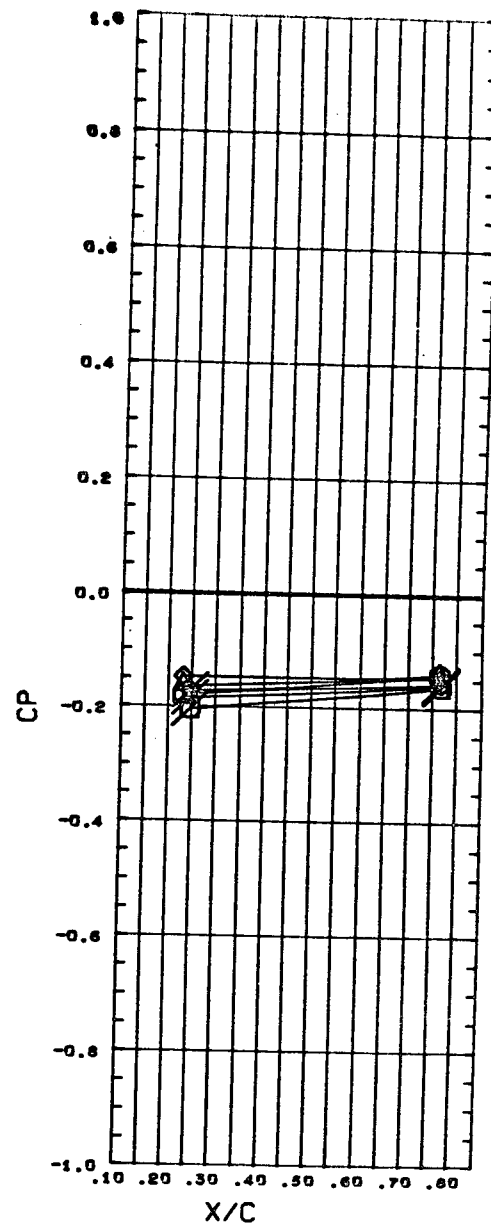
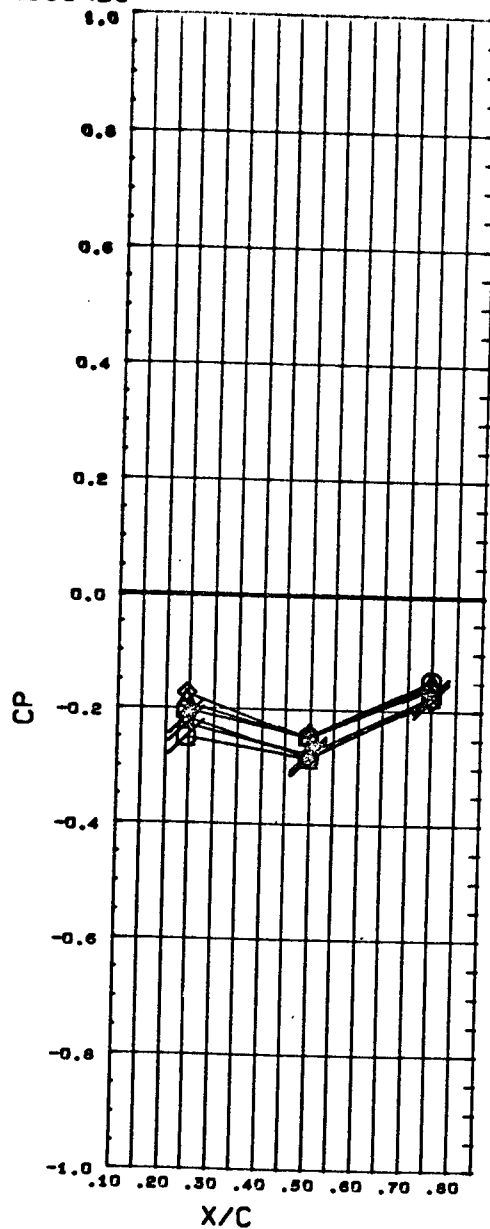
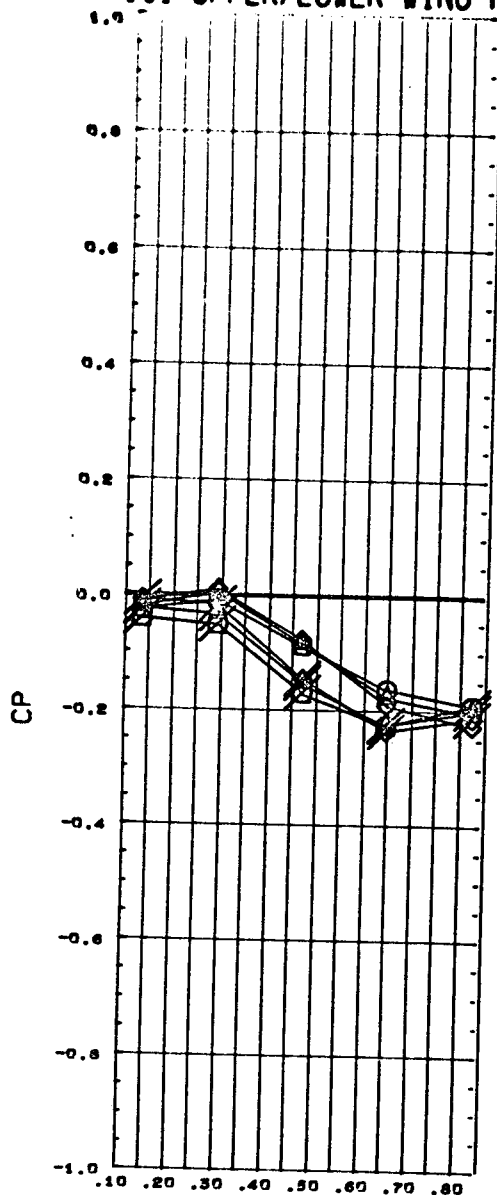


SYMBOL	BETA	Y/B	MACH
○	- 6.000	0.290	0.600
◇	- 4.000	0.560	
△	- 2.000	0.845	
□	0.000		

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67003)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67003)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

T101 UPPER/LOWER WING PRESSURES

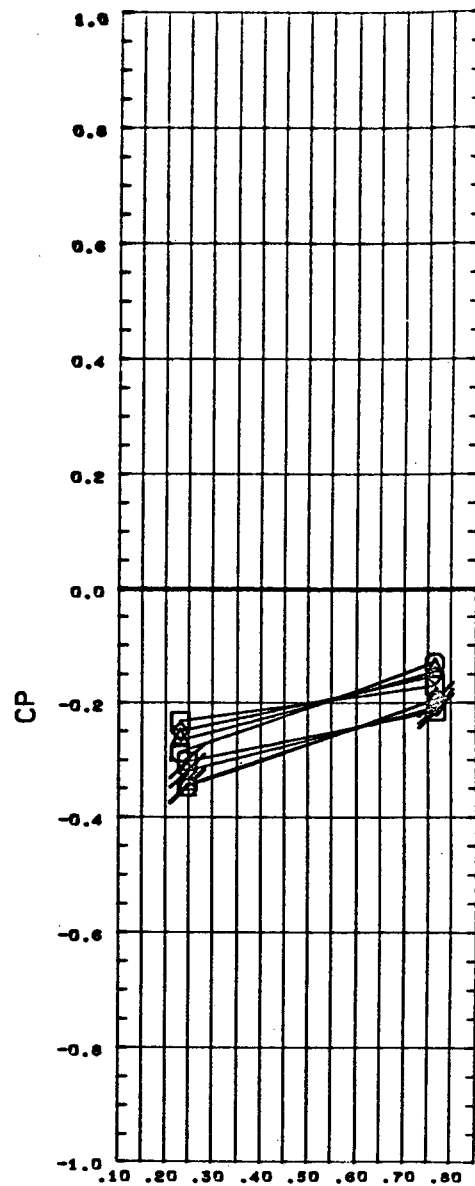
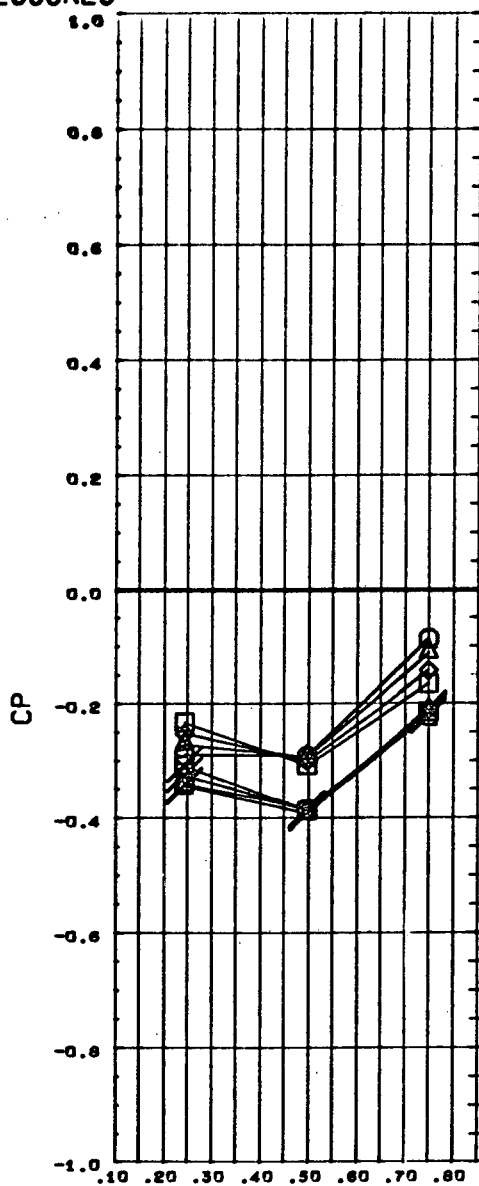
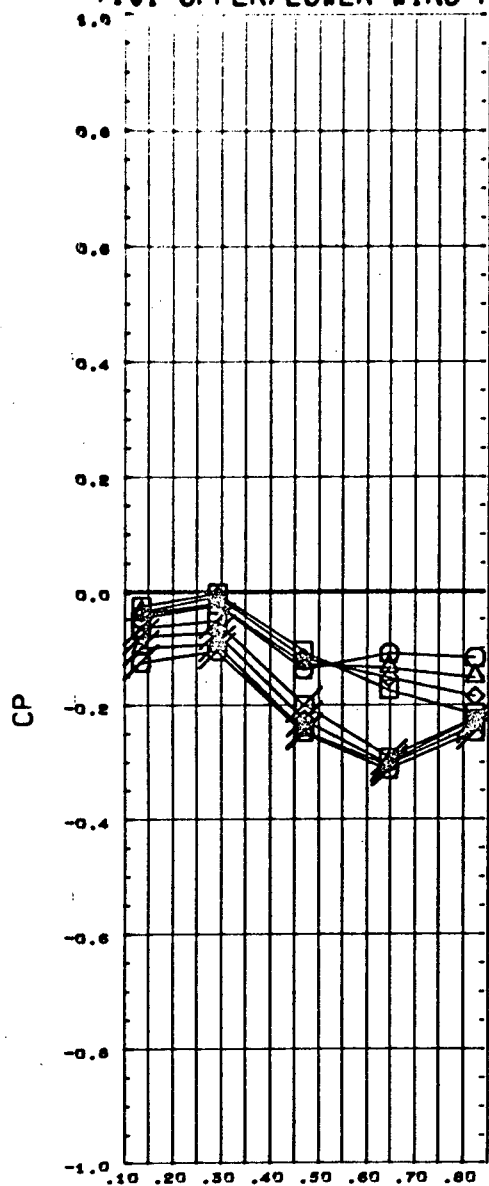


SYMBOL	BETA	Y/B	MACH
◇	2.000	0.290	0.600
□	4.000	0.560	
○	6.000	0.845	

ALPHA	PARAMETRIC VALUES	ORBINC
	0.000	- 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67003) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
 (C67003) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

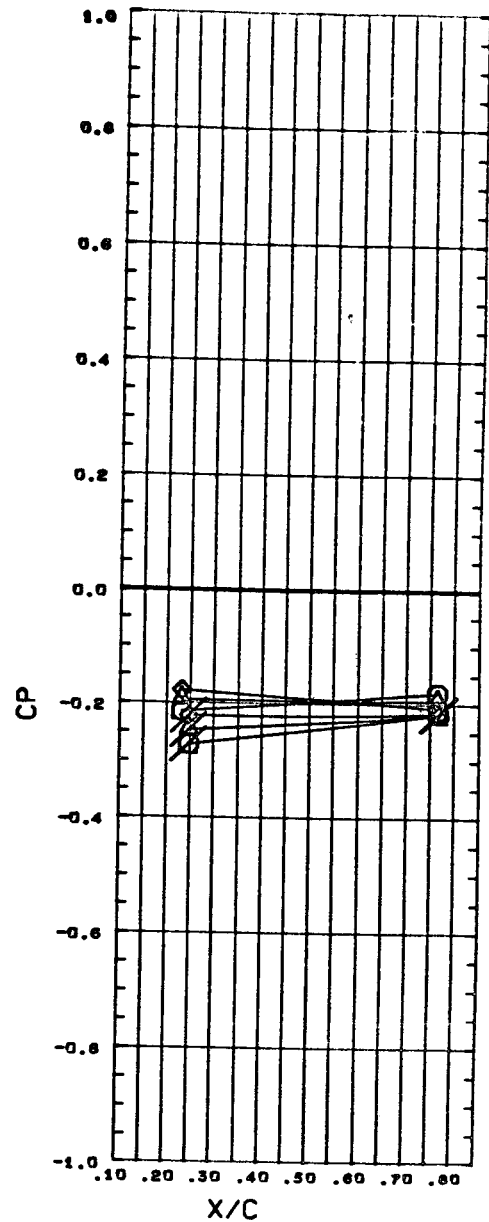
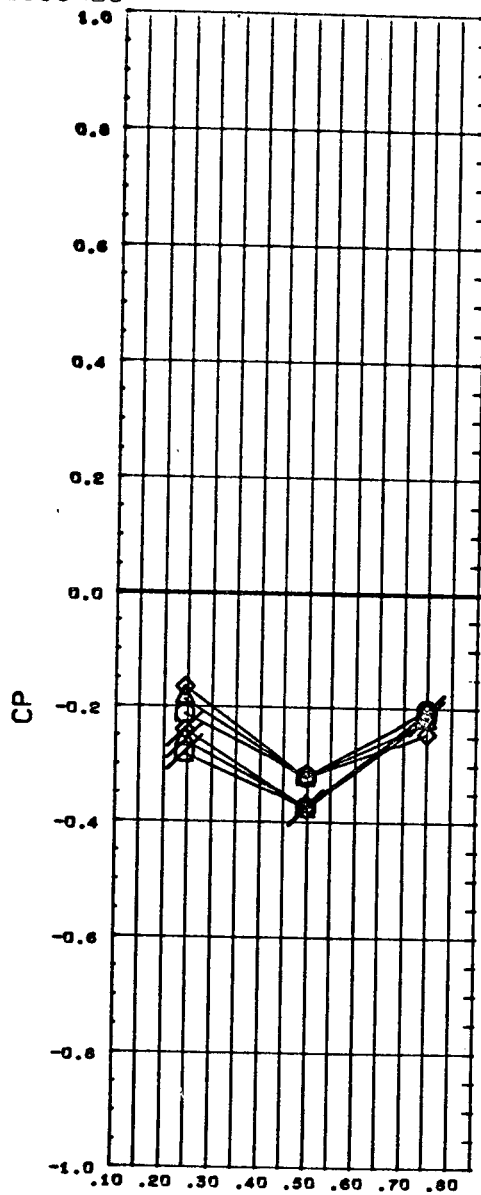
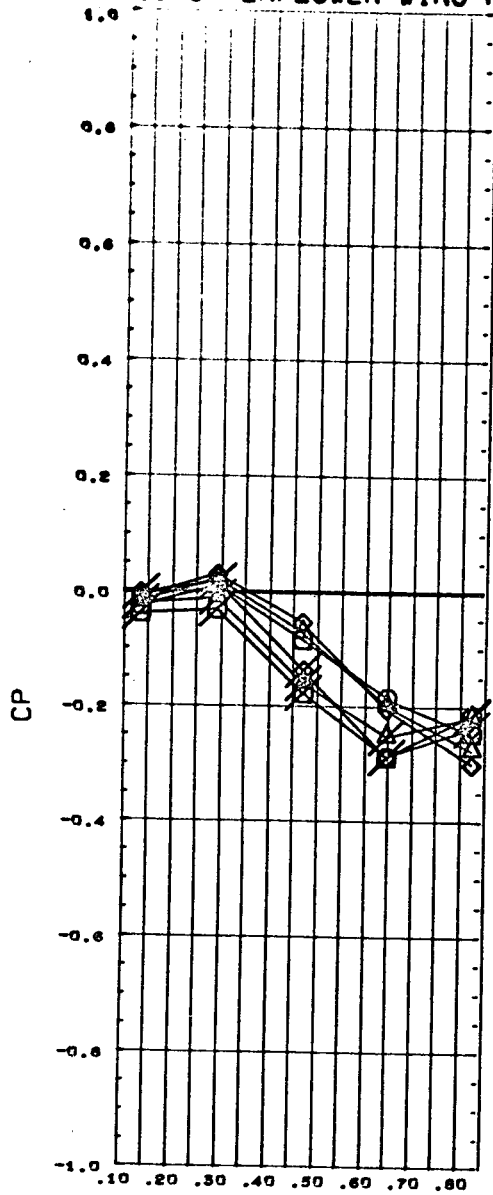


SYMBOL	BETA	Y/B	MACH
○	- 6.000	0.290	0.804
△	- 4.000	0.560	
◇	- 2.000	0.645	
□	- 0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67003) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
 (C67003) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.500

T101 UPPER/LOWER WING PRESSURES

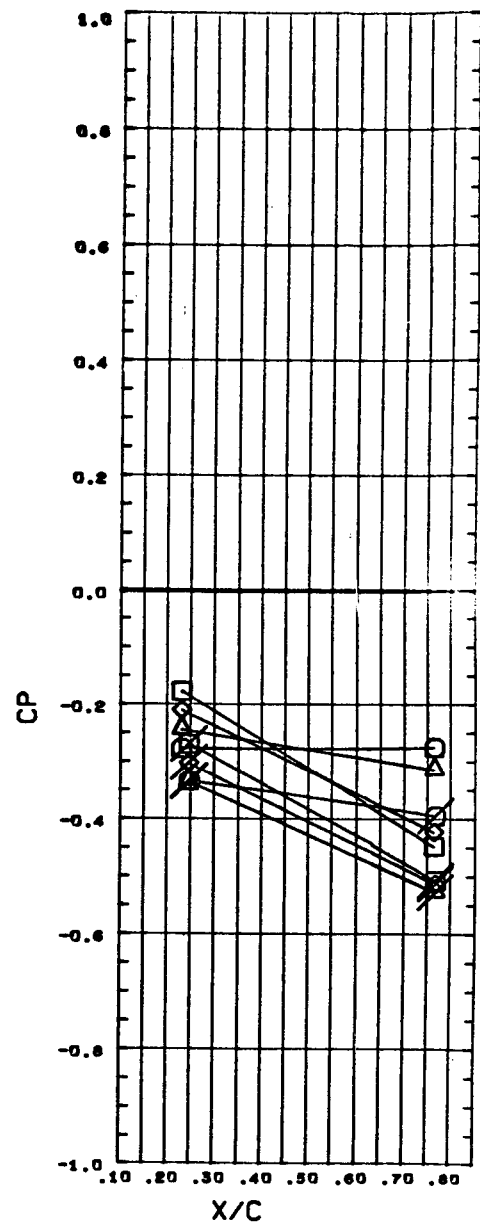
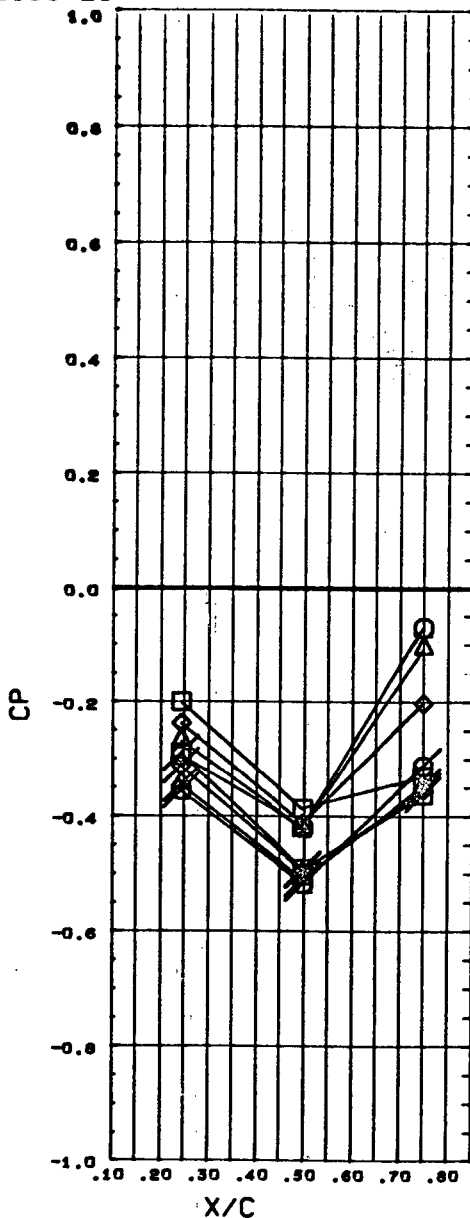
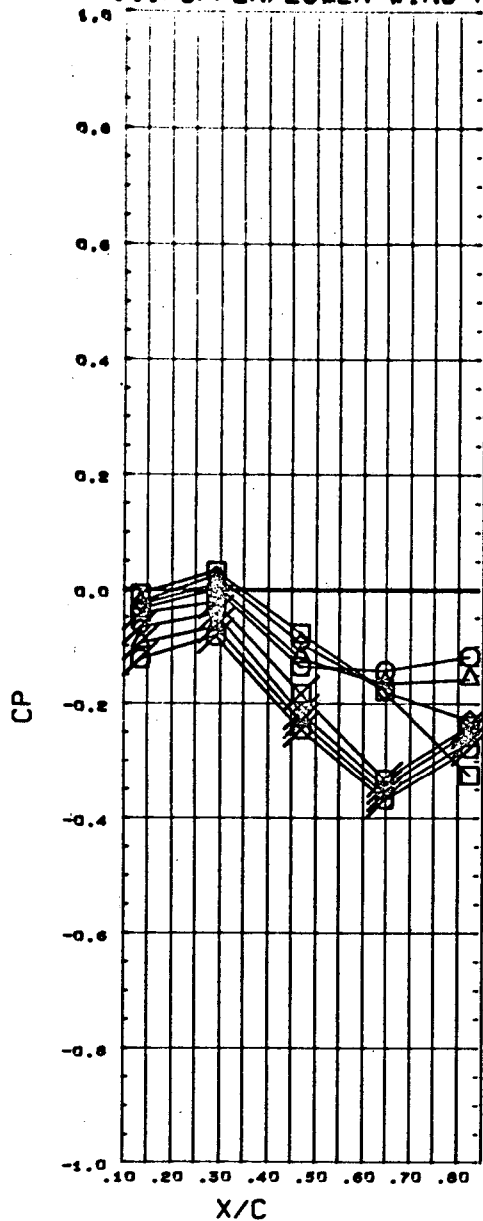


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	0.804
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC -- 1.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67003)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67003)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

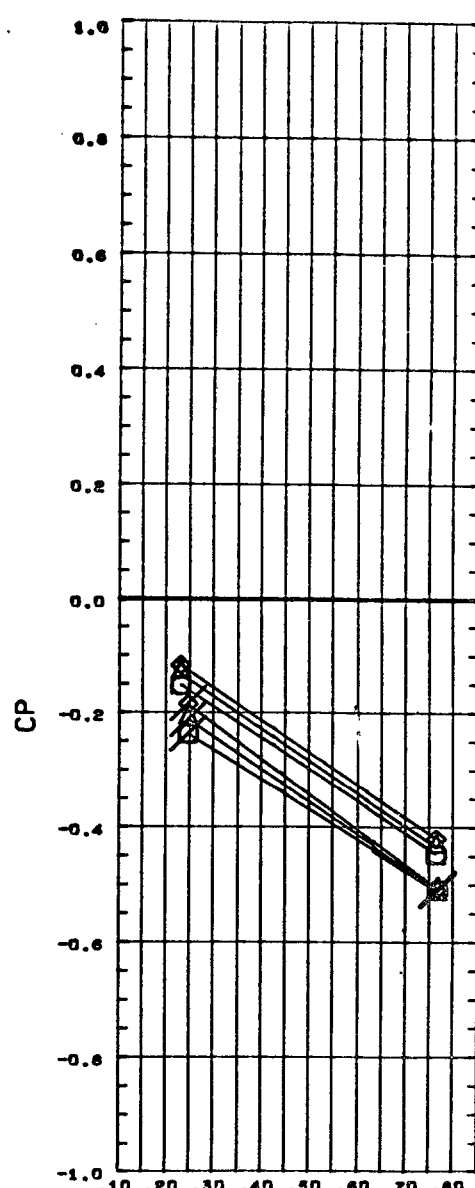
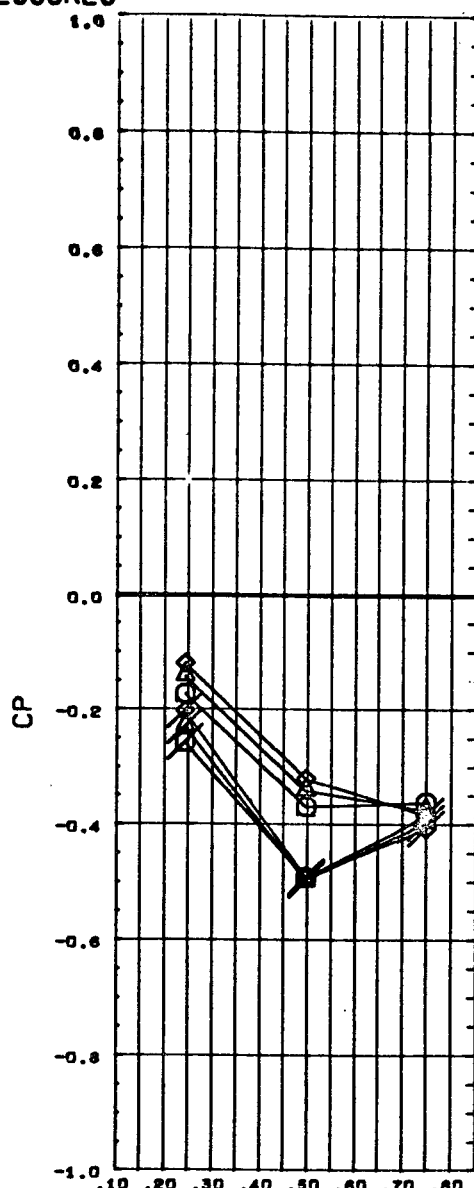
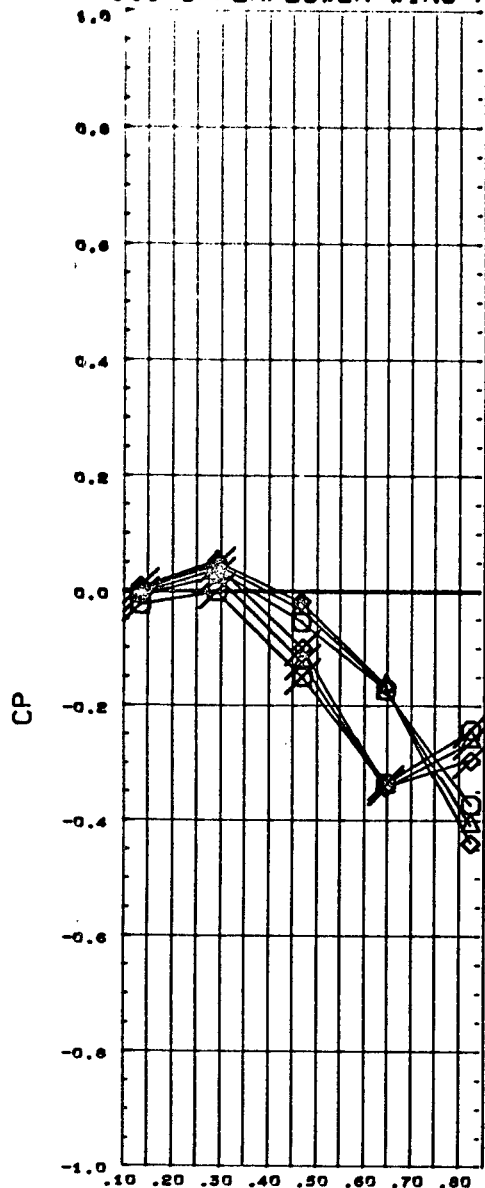


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	0.992
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67003) OPEN NSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67003) FLAGGED NSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

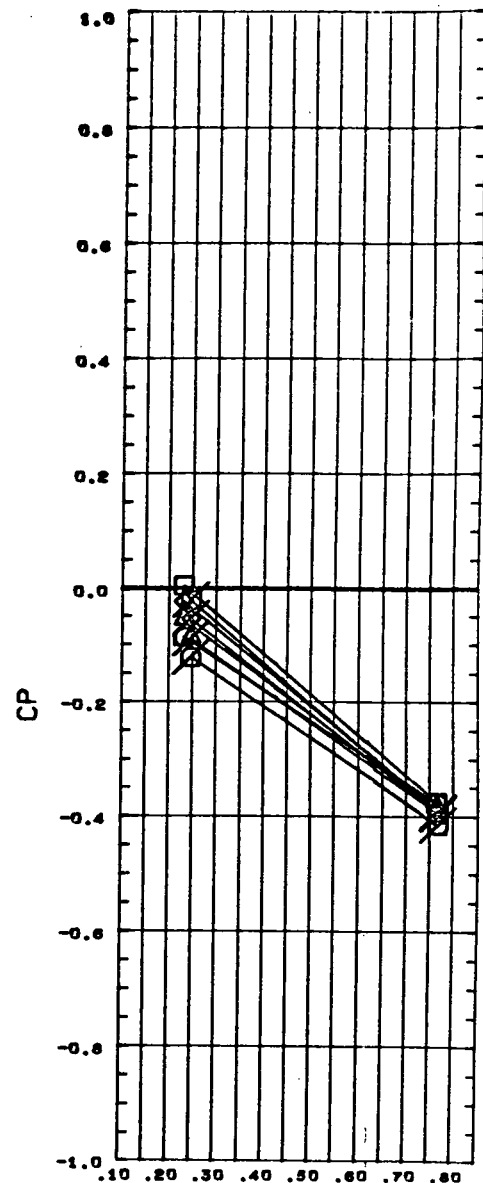
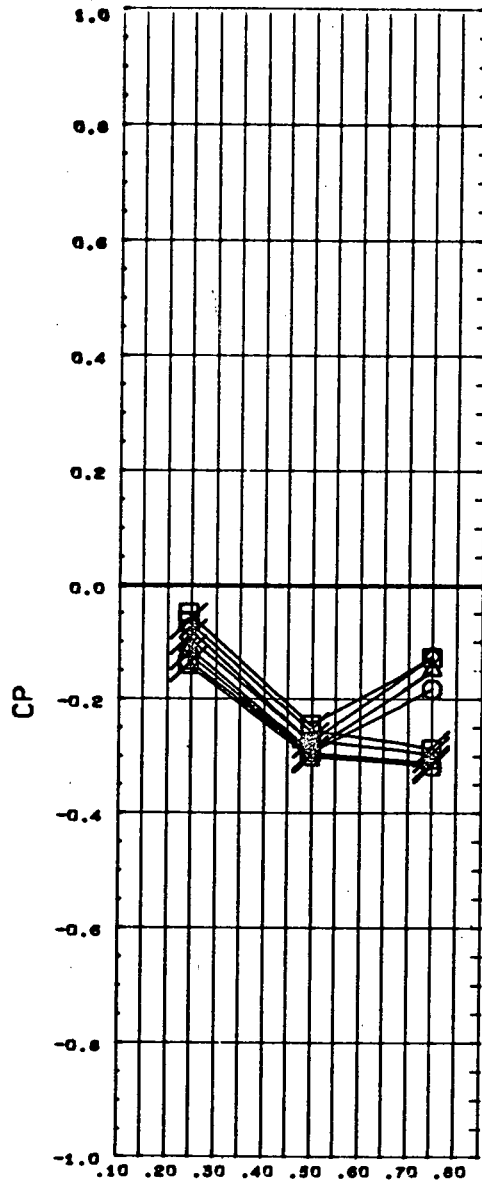
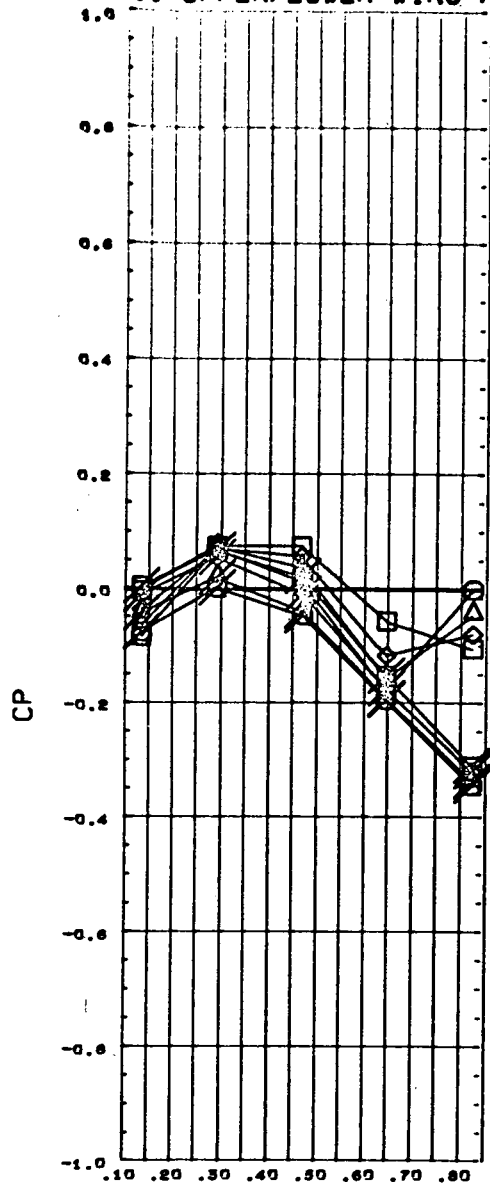


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	0.902
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67003)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67003)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

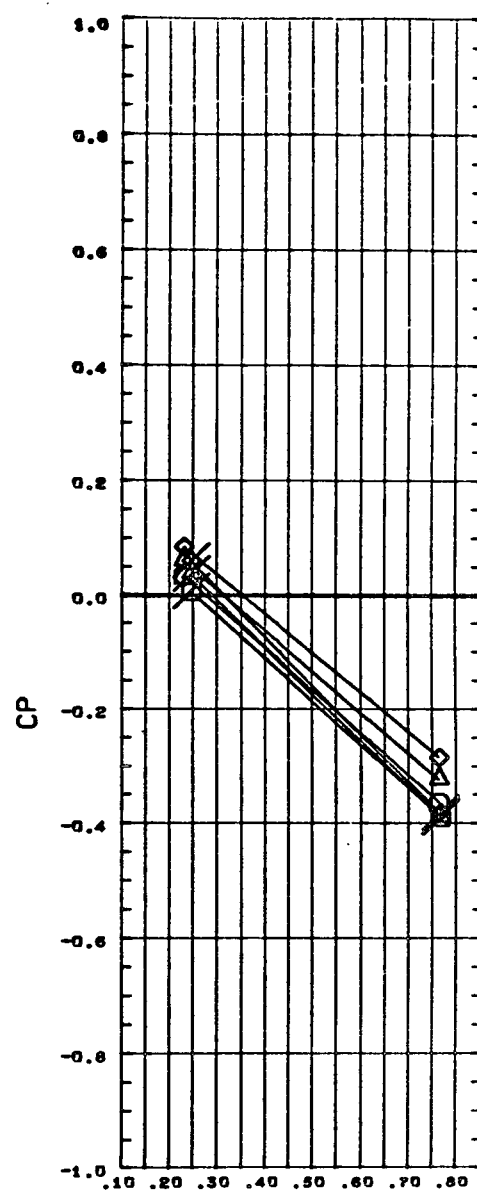
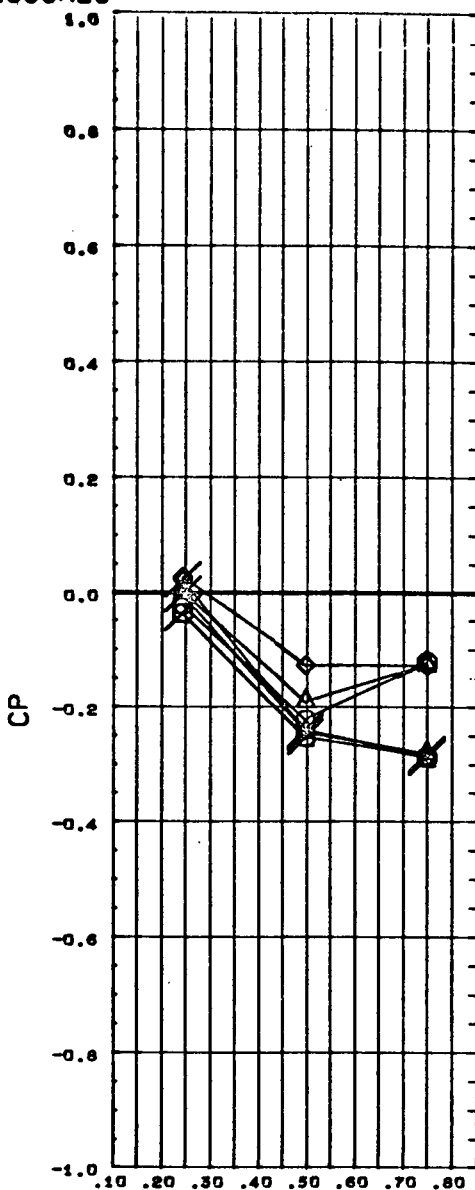
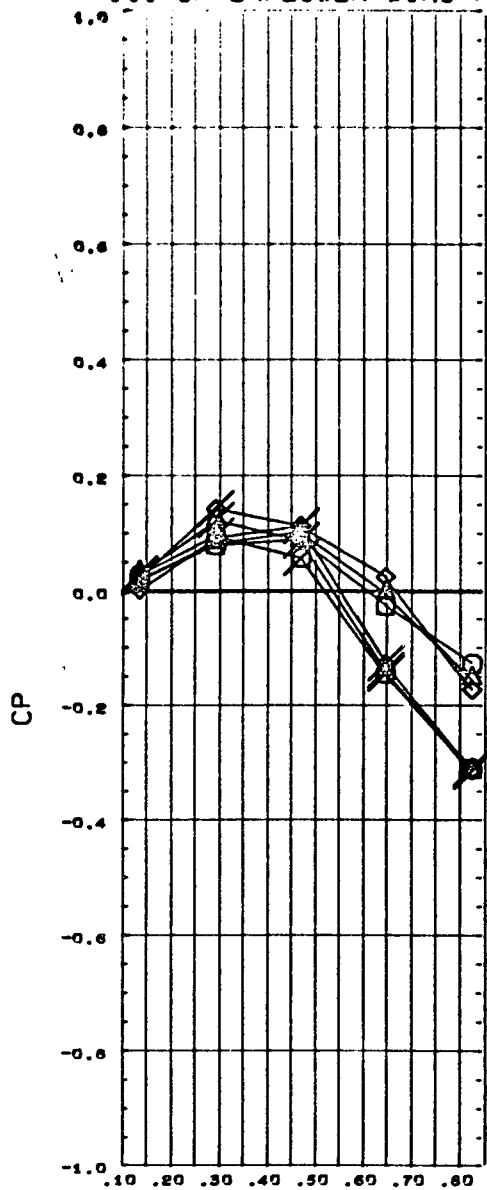


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	1.195
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67003)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67003)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

T101 UPPER/LOWER WING PRESSURES

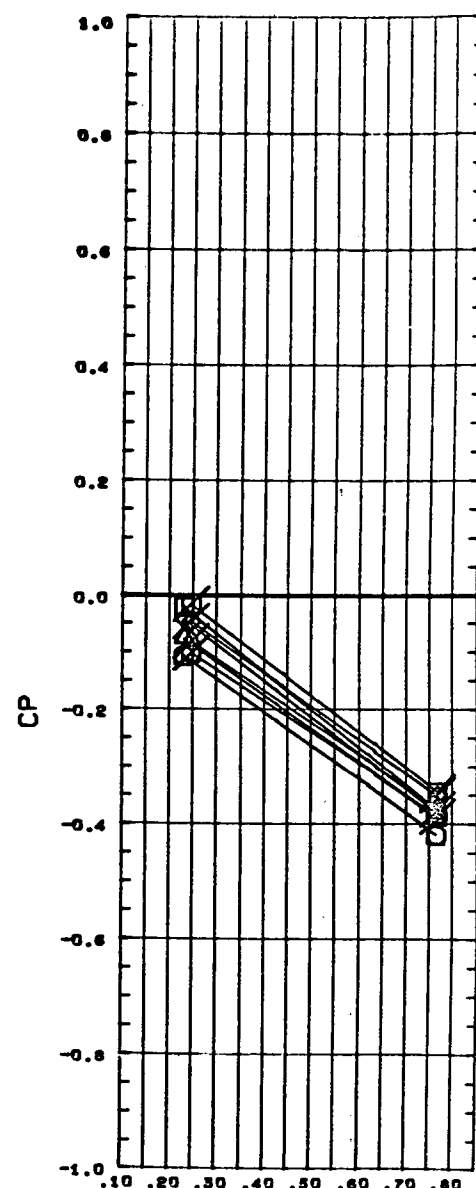
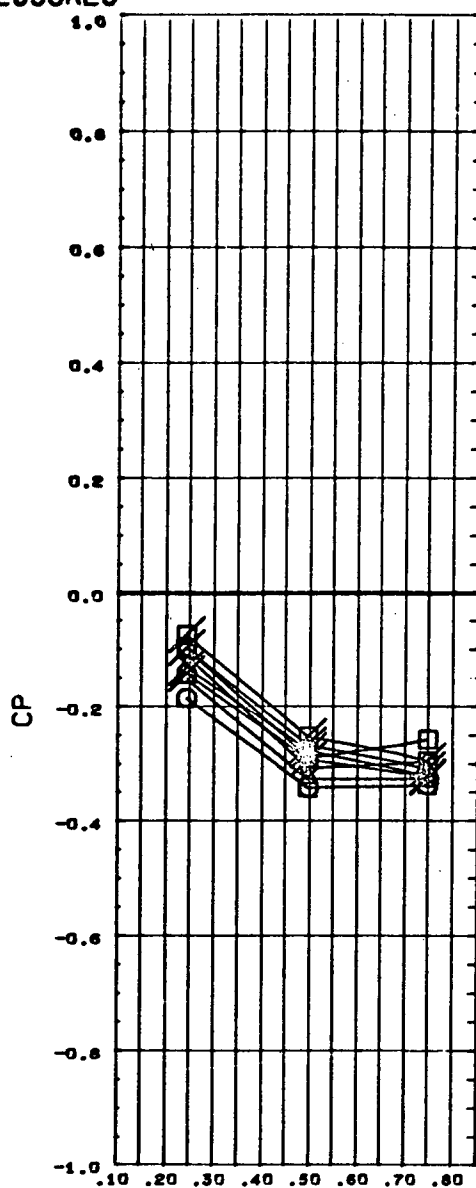
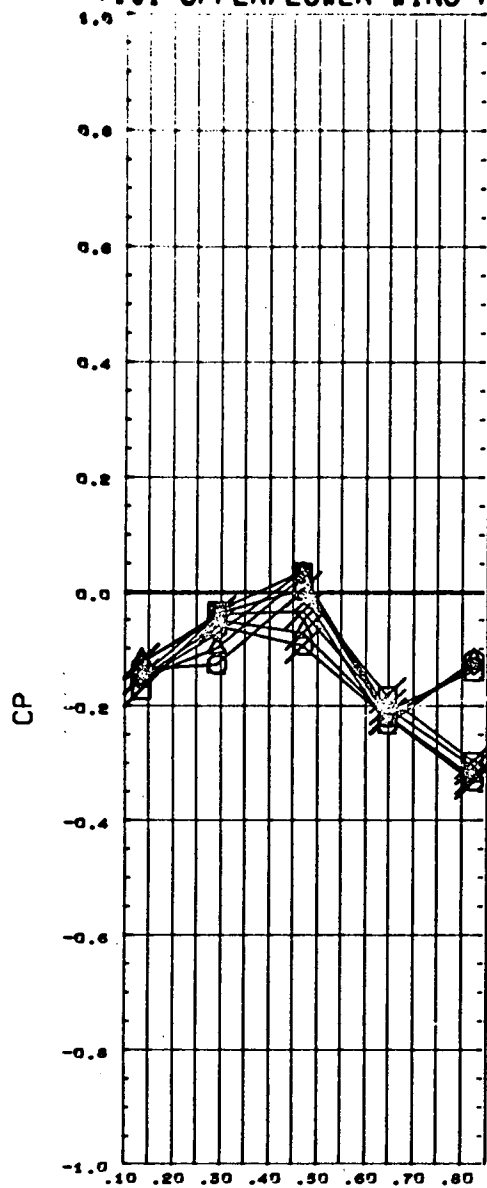


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	1.105
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67003) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67003) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

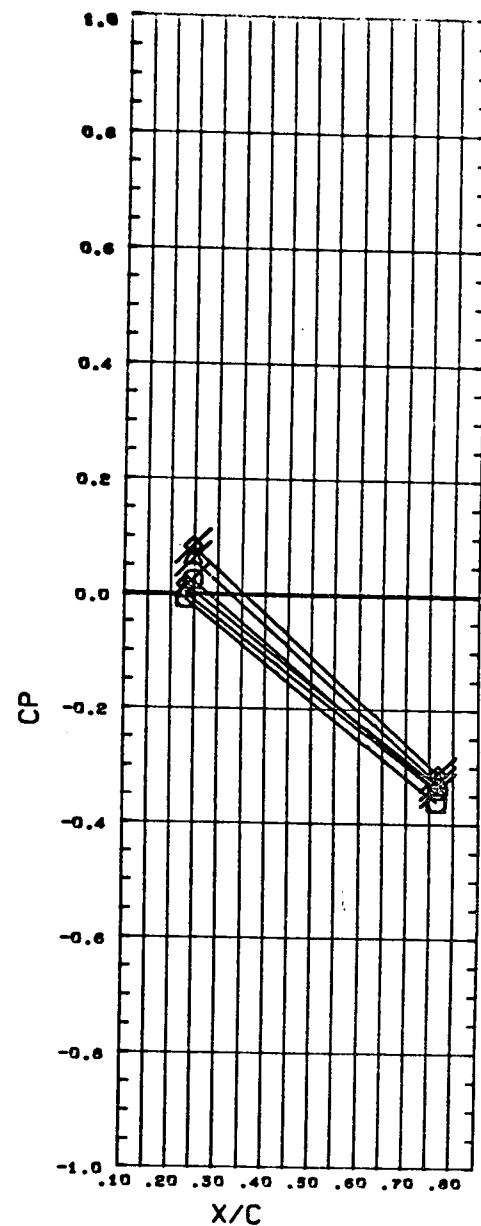
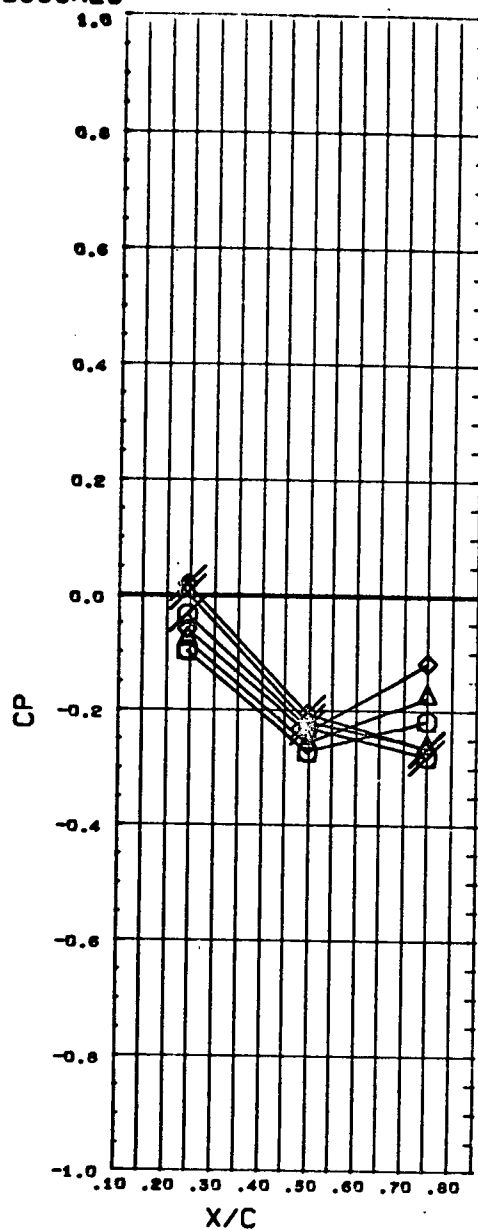
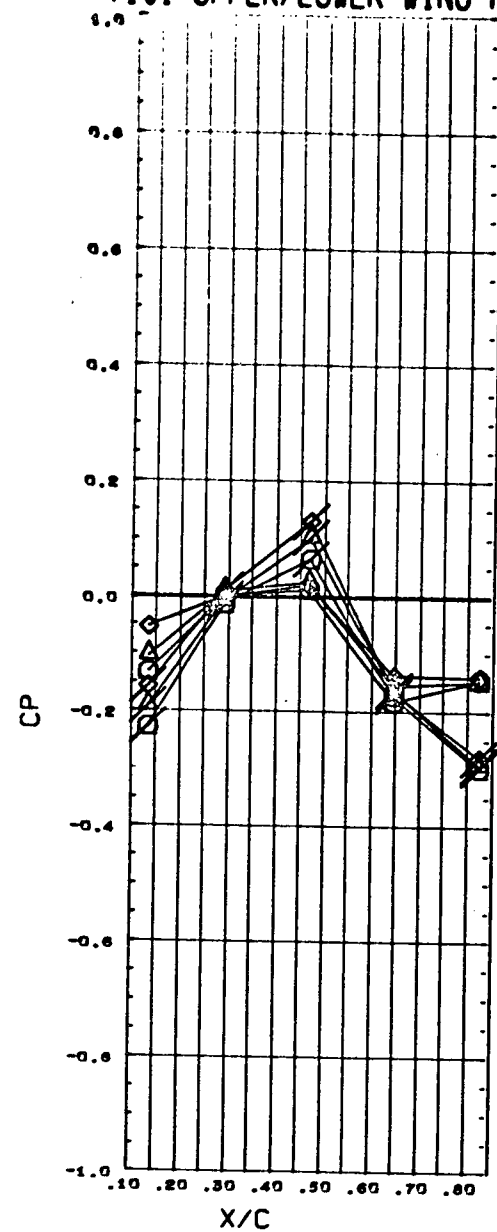


SYMBOL	BETA	Y/B	MACH
○	- 6.000	0.290	1.199
△	- 4.000	0.560	
◇	- 2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67003) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
 (C67003) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.500

T101 UPPER/LOWER WING PRESSURES

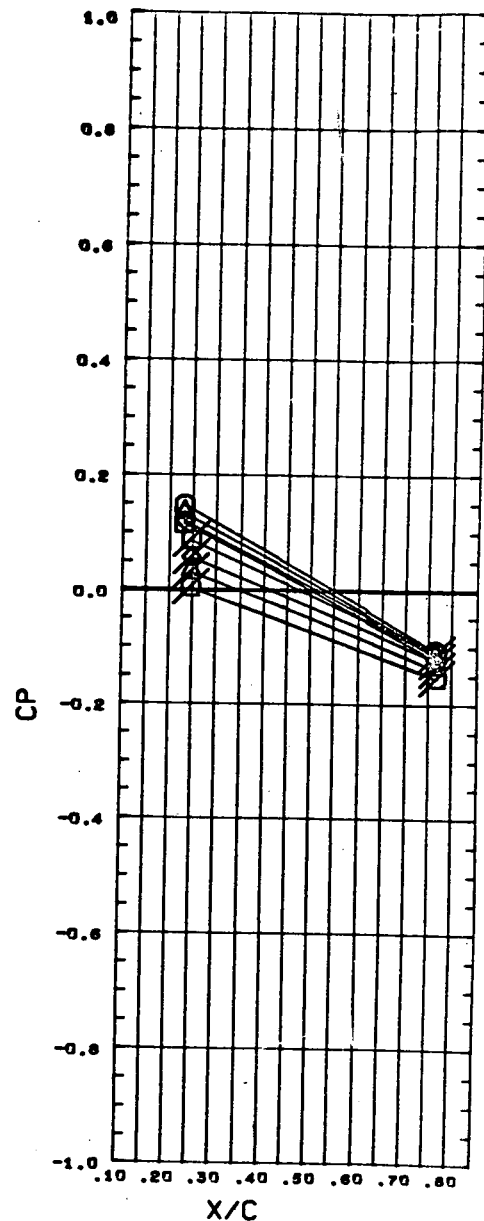
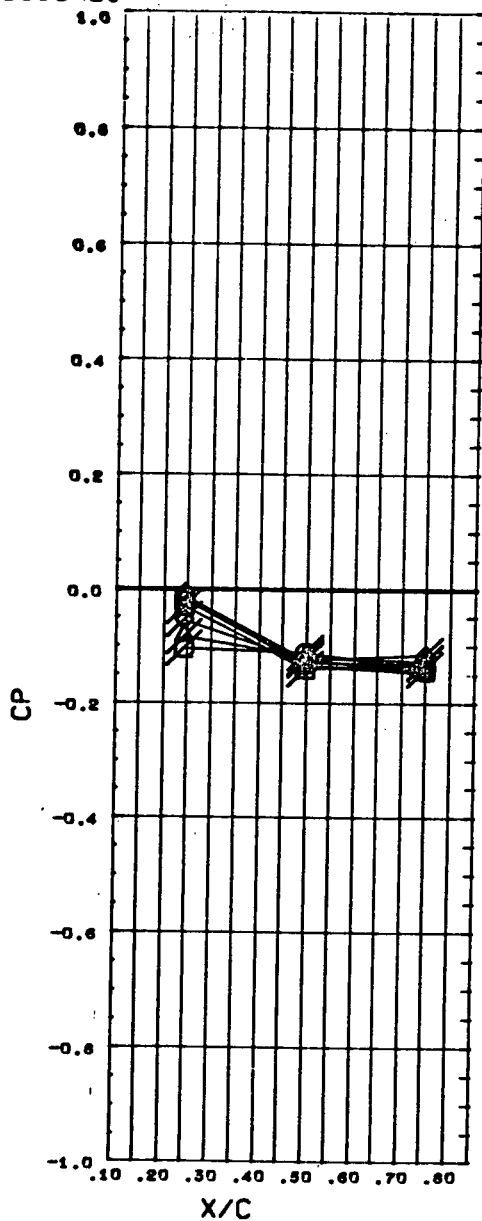
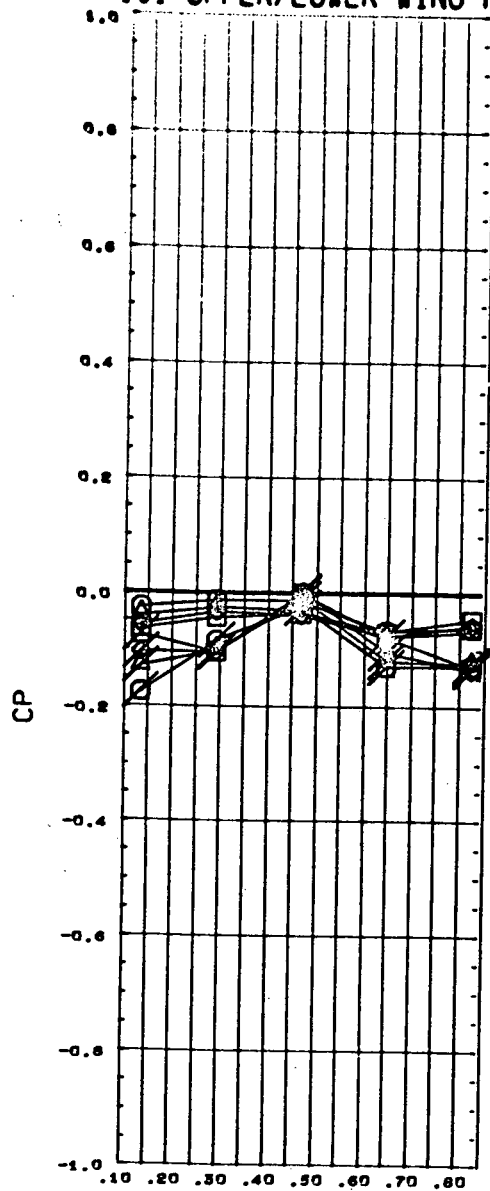


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	1.199
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67003) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67003) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

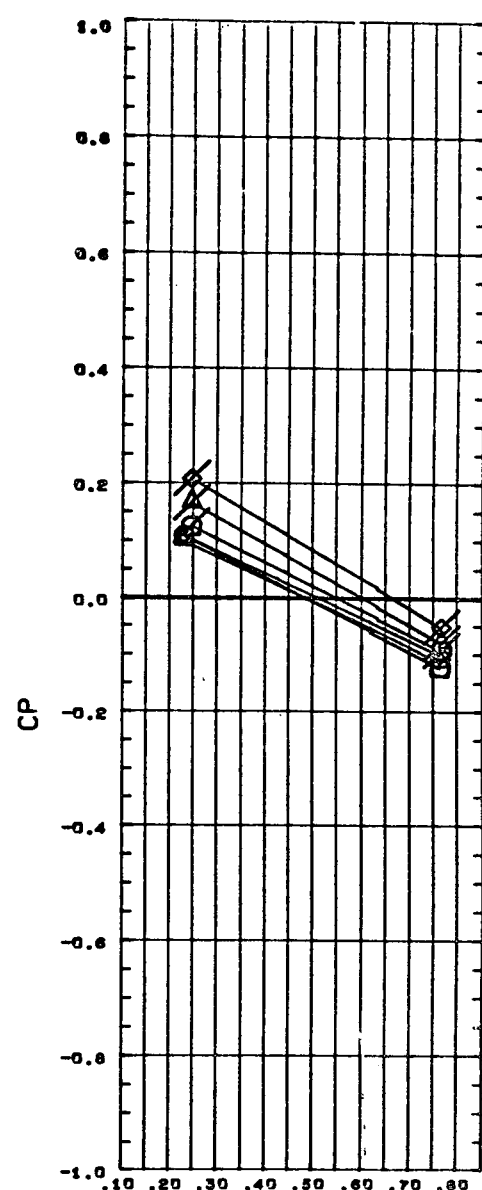
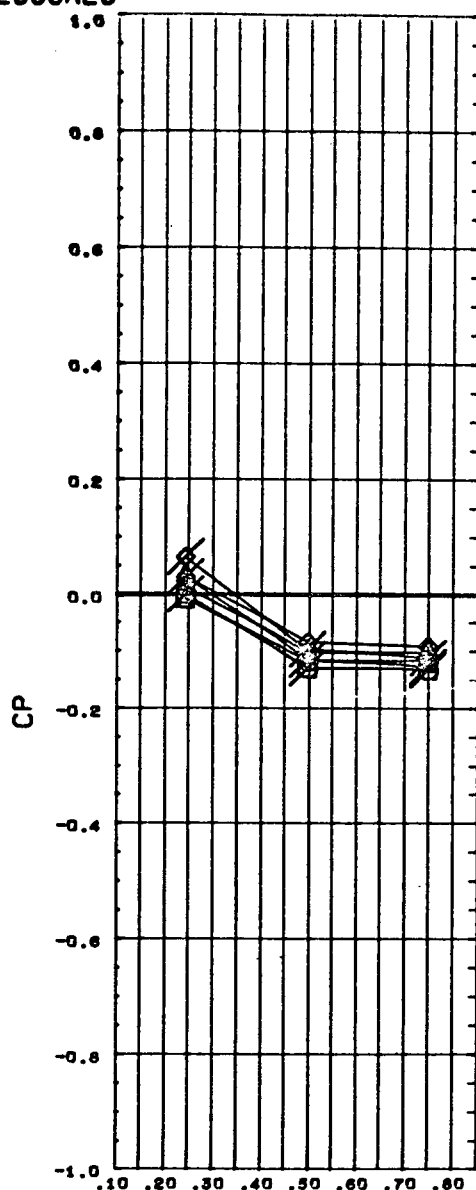
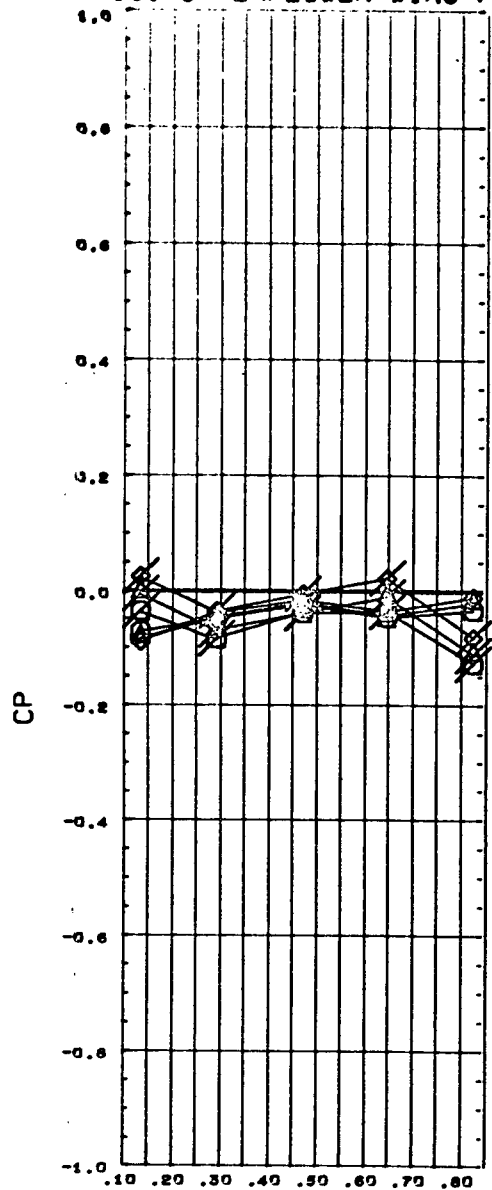


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	1.963
△	4.000	0.560	
◇	2.000	0.645	
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67003)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67003)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

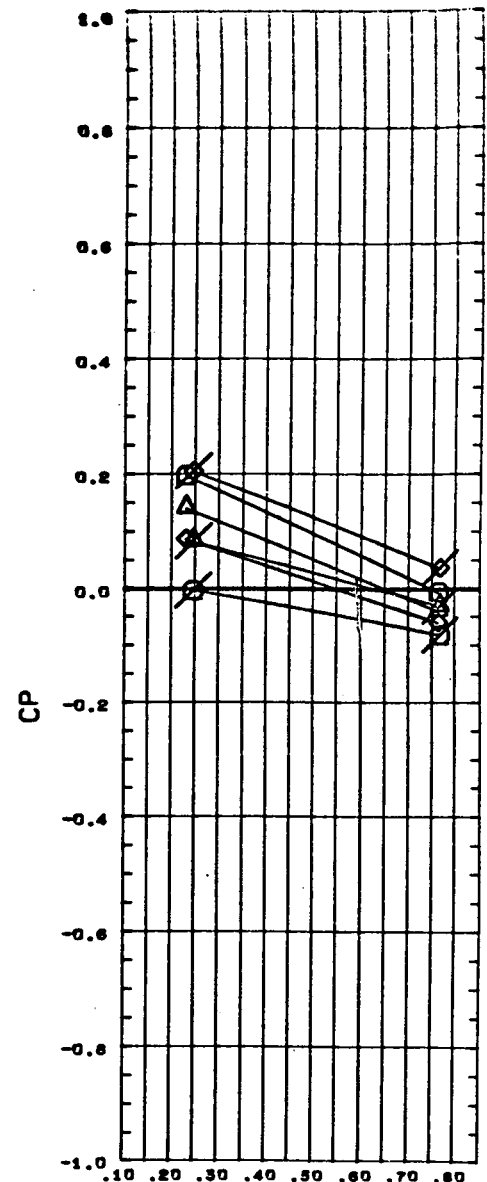
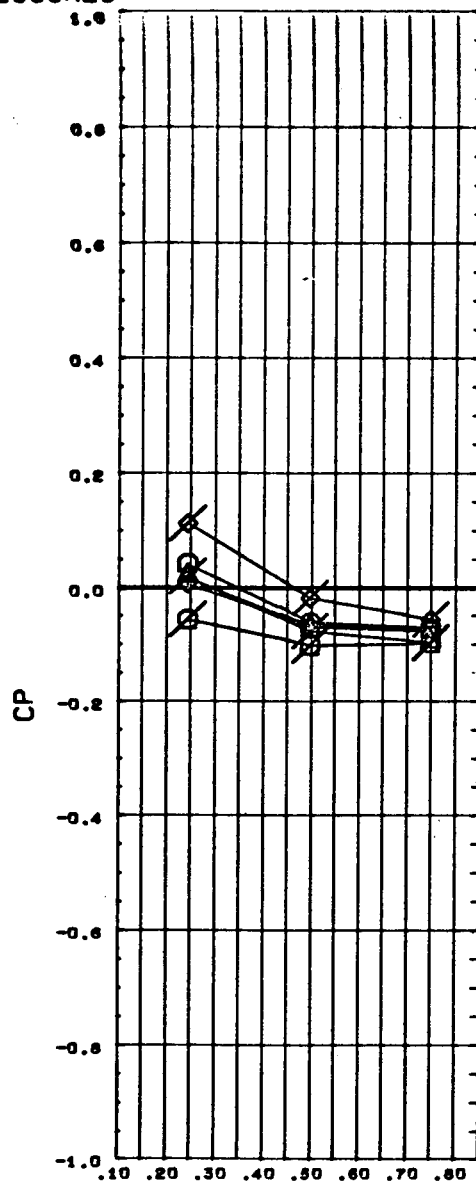
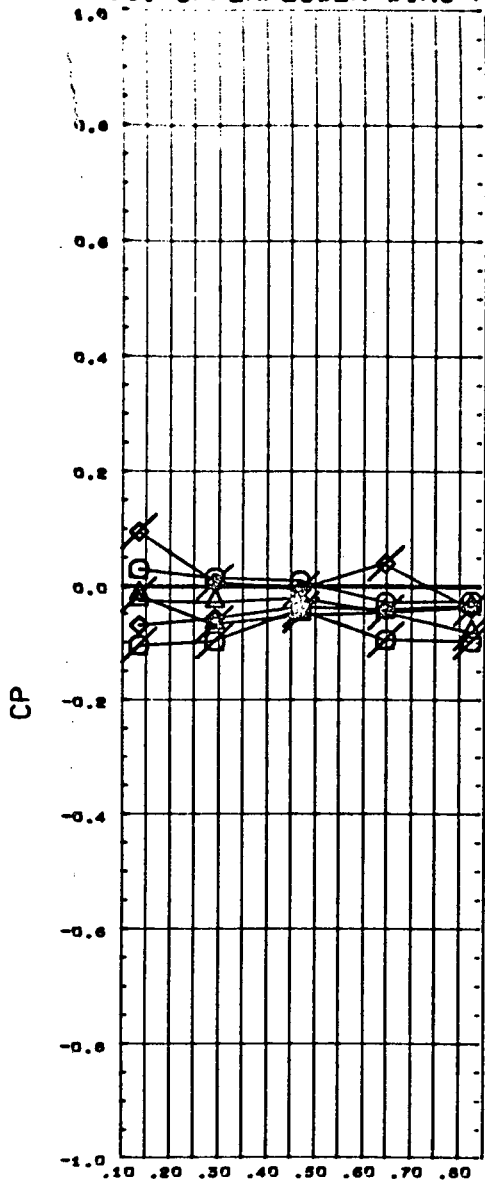


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	1.963
△	4.000	0.560	
◇	6.000	0.843	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67003) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67003) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

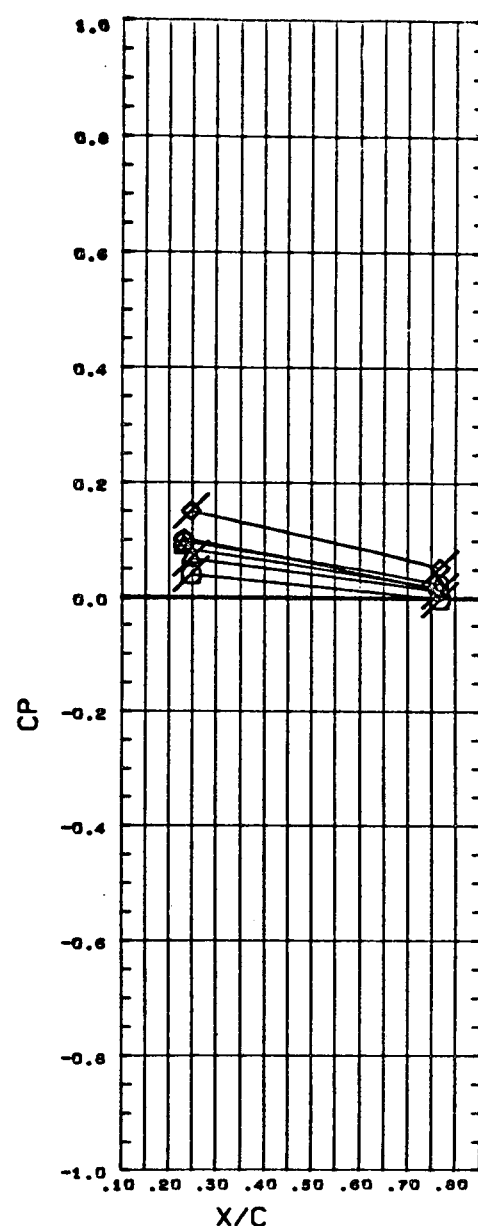
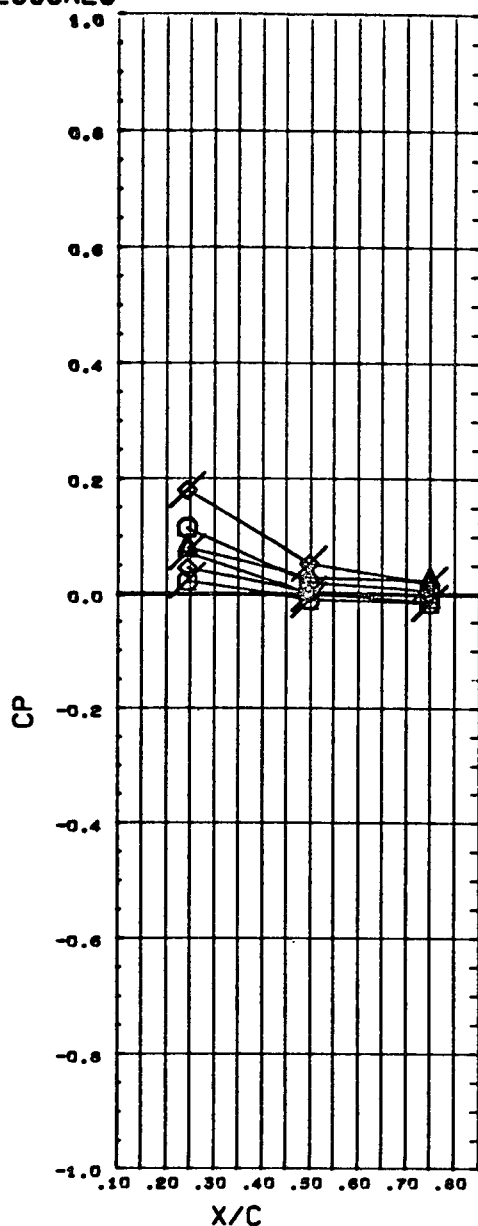
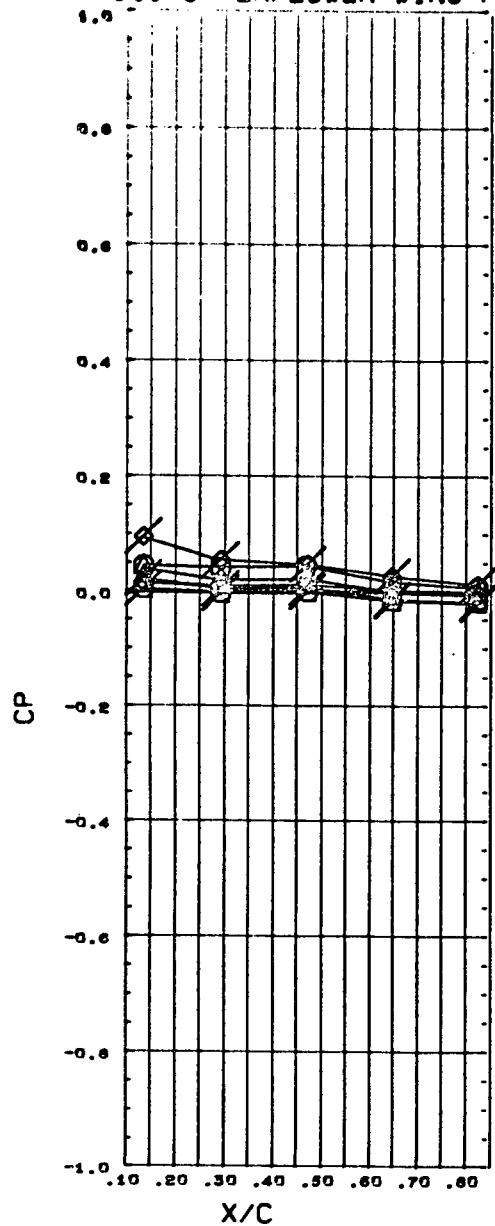


SYMBOL	BETA	Y/B	MACH
○	0.000	0.290	2.740
△	0.000	0.560	
◇	0.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (867004) OPEN MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
 (C67004) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101 UPPER/LOWER WING PRESSURES

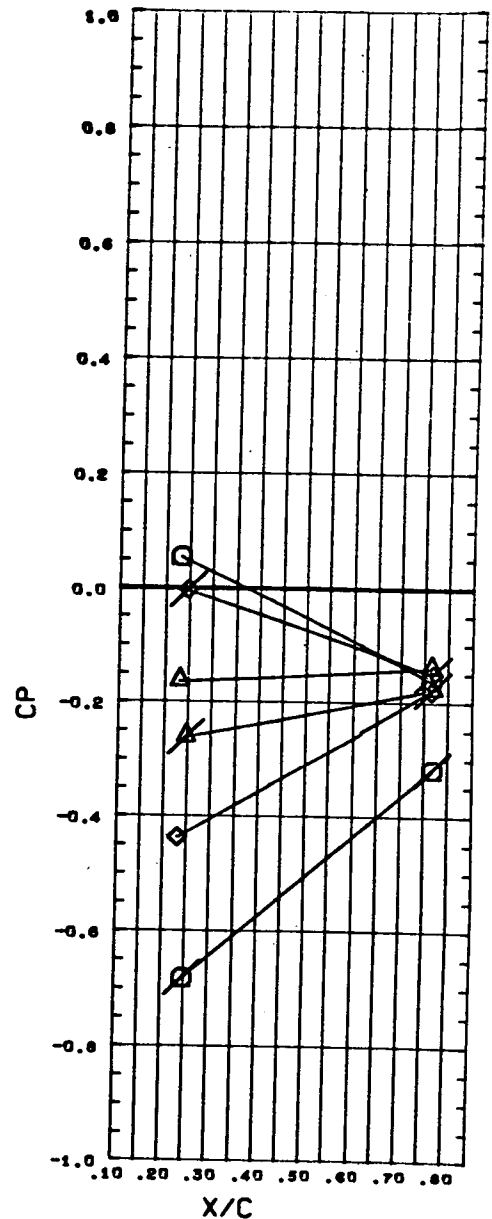
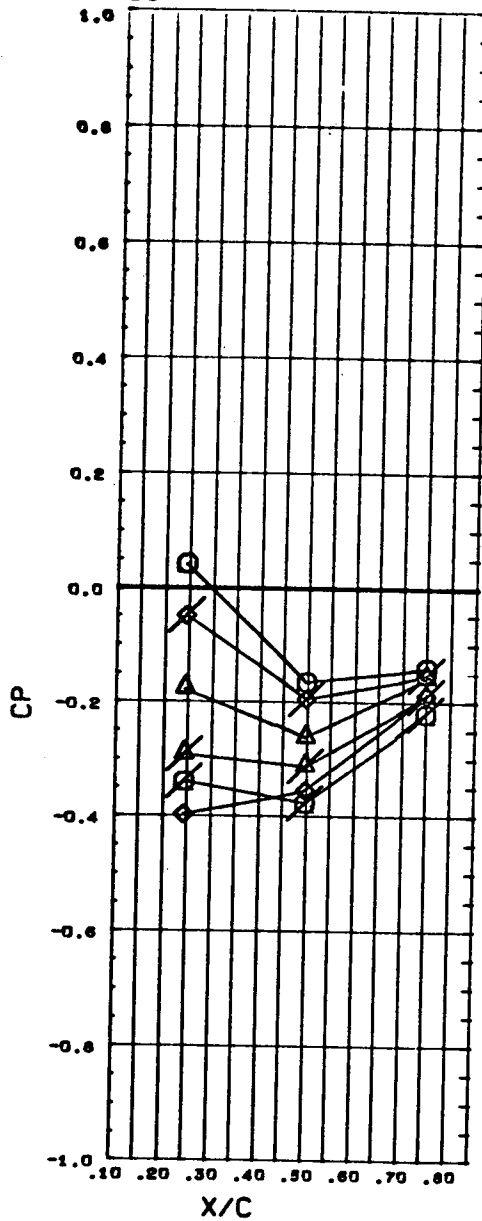
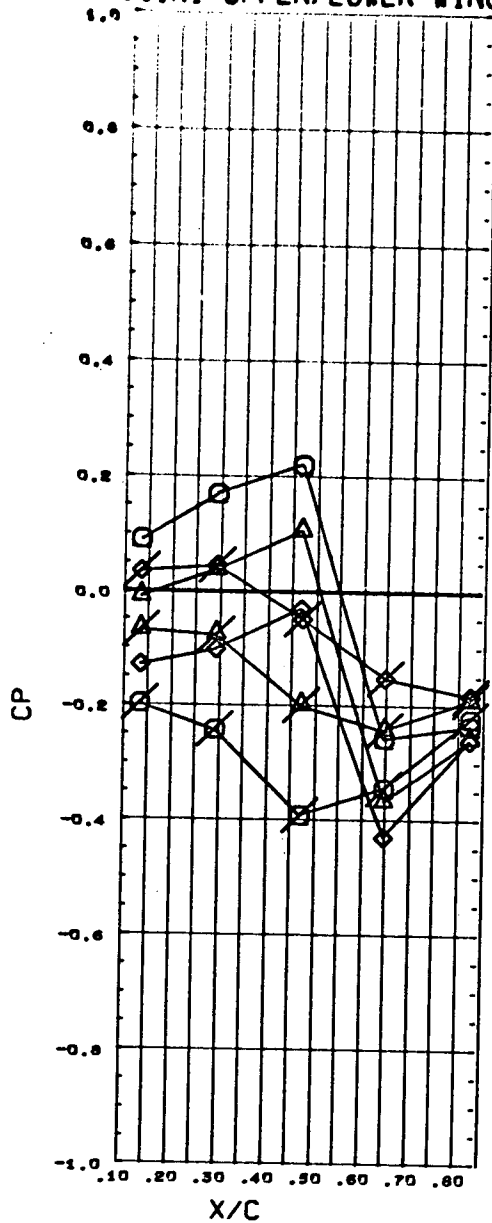


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	4.960
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67004)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101 (UPPER WING)
(C67004)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

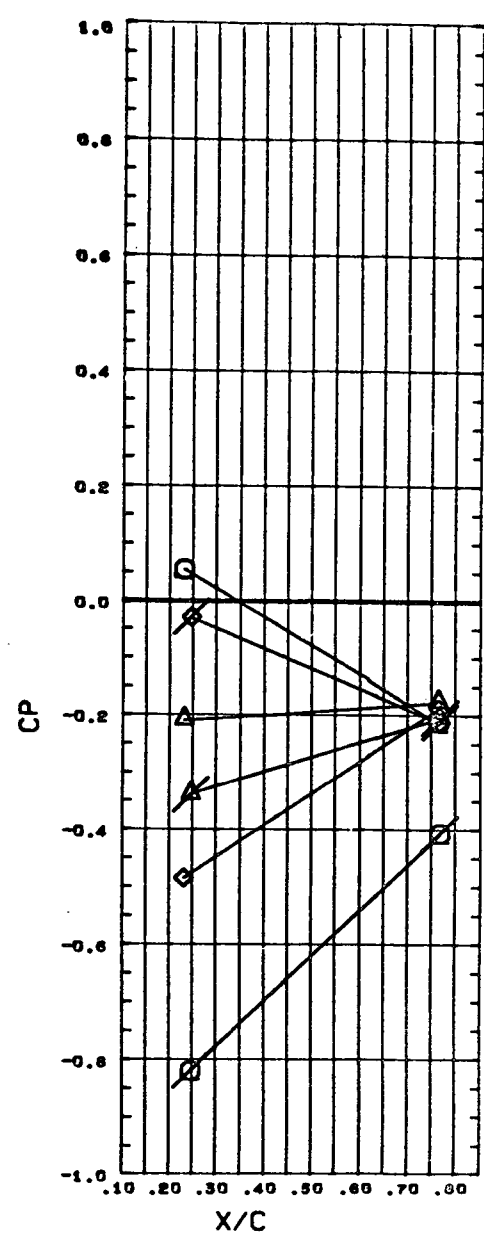
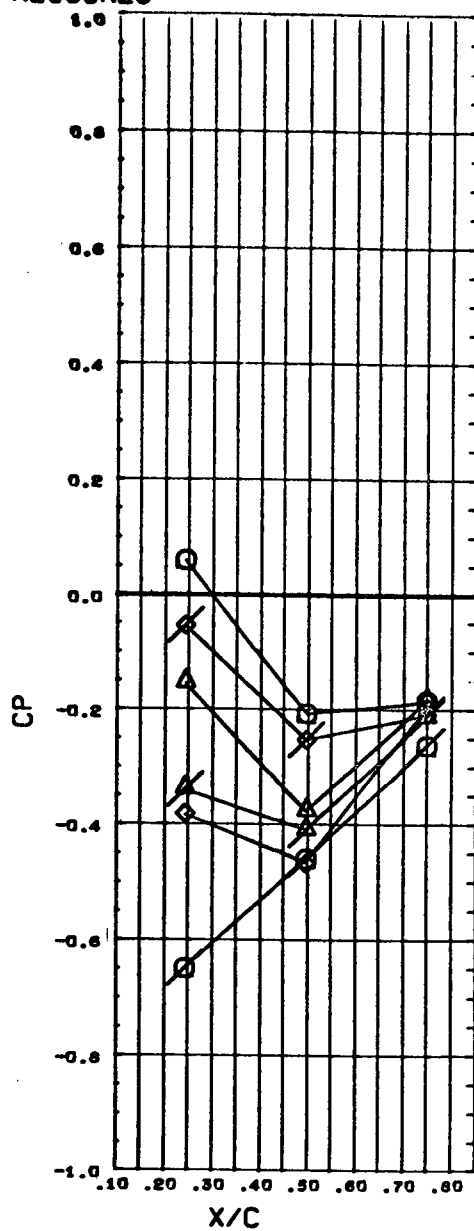
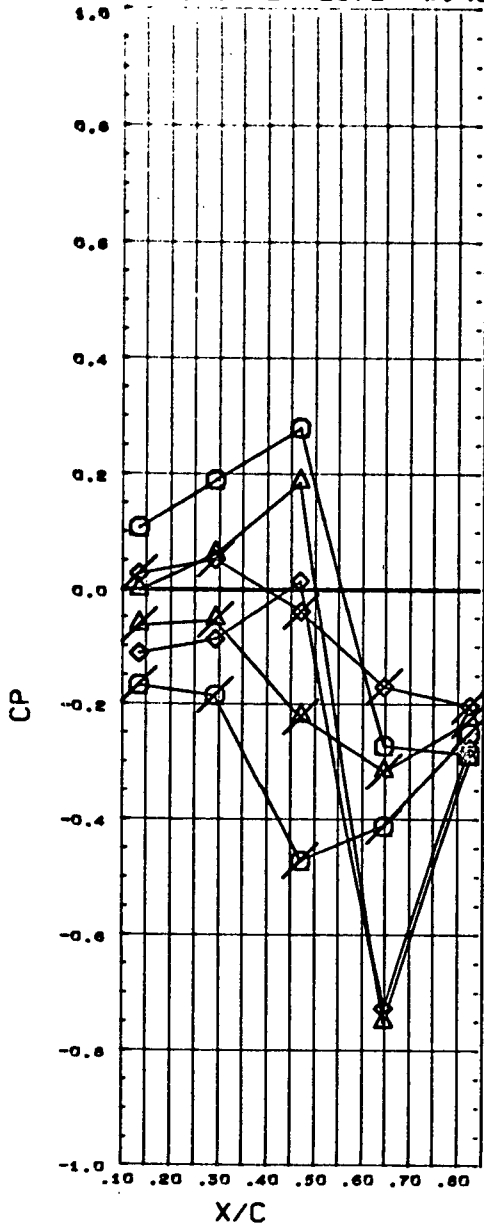


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.604
△	0.000	0.560	
◇	6.000	0.645	

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67005)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67005)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

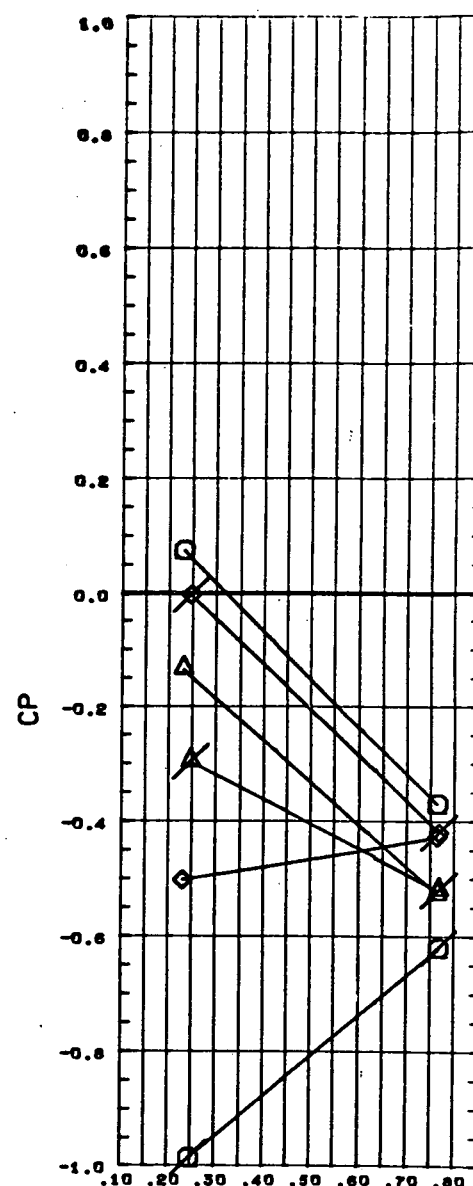
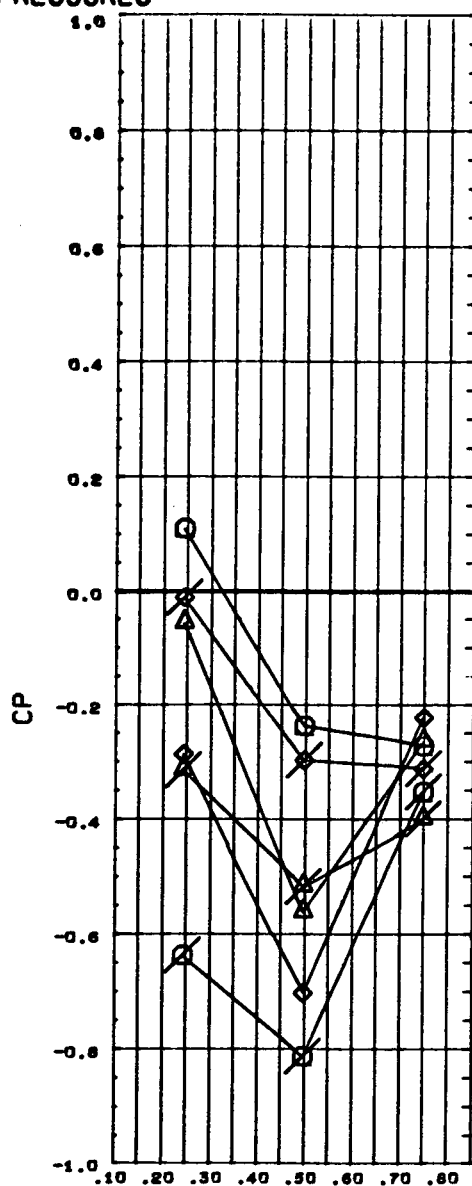
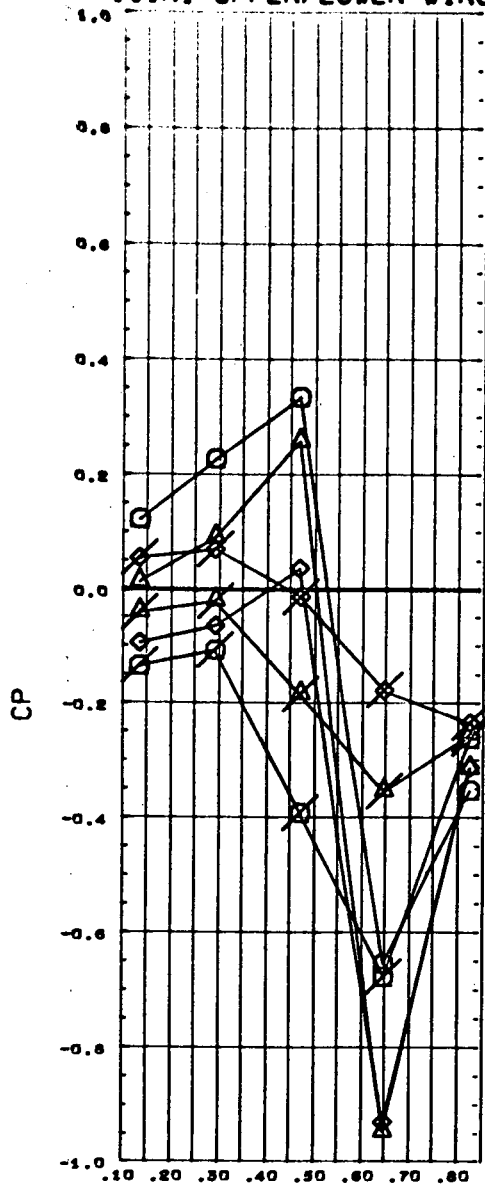


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.803
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(867005) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67005) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

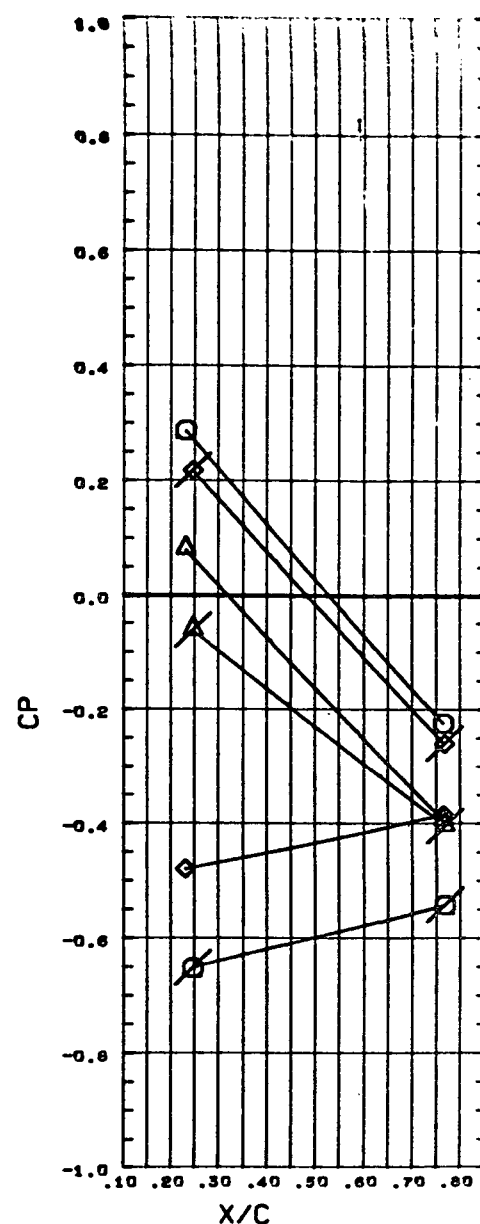
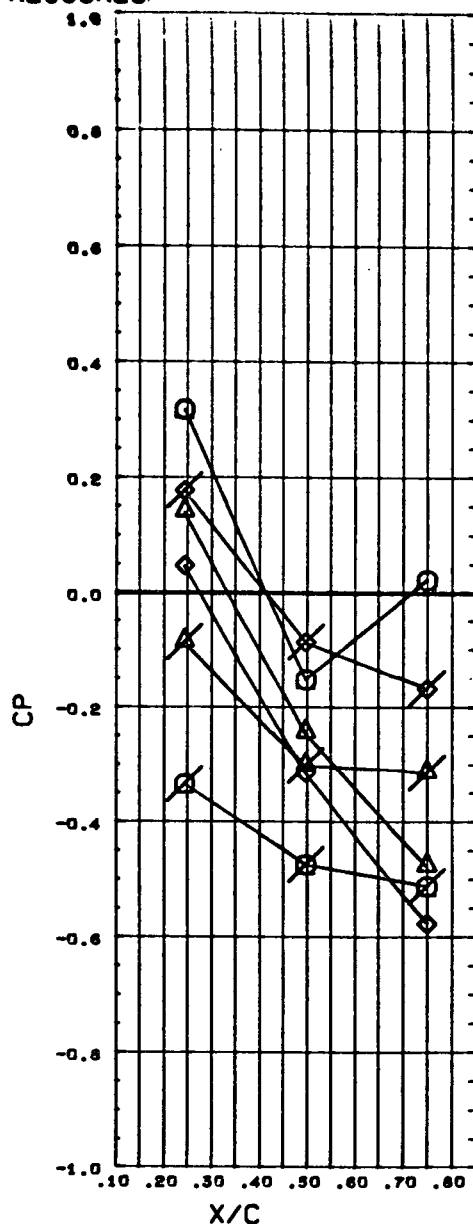
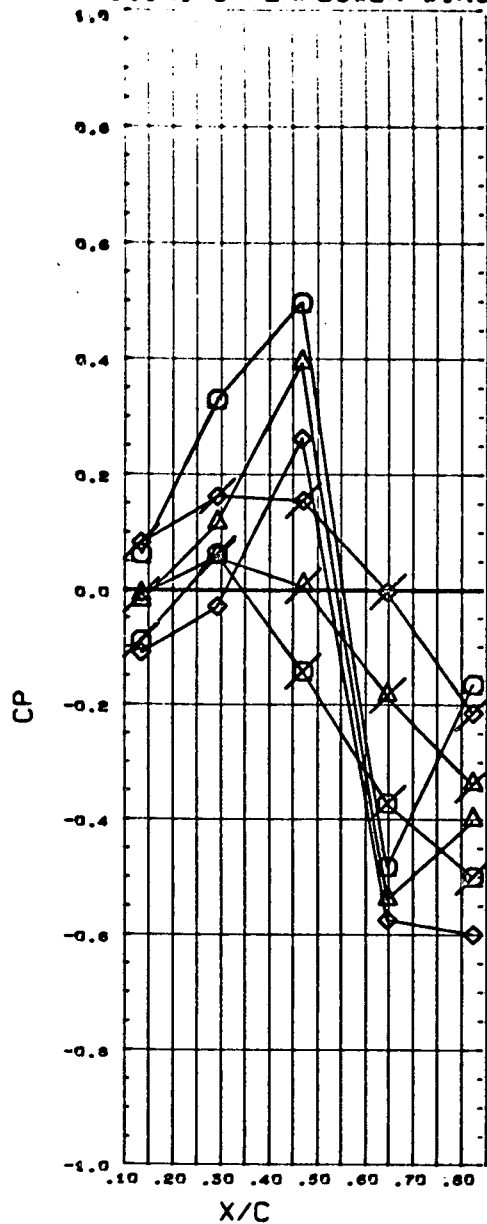


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.899
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(867005) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67005) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

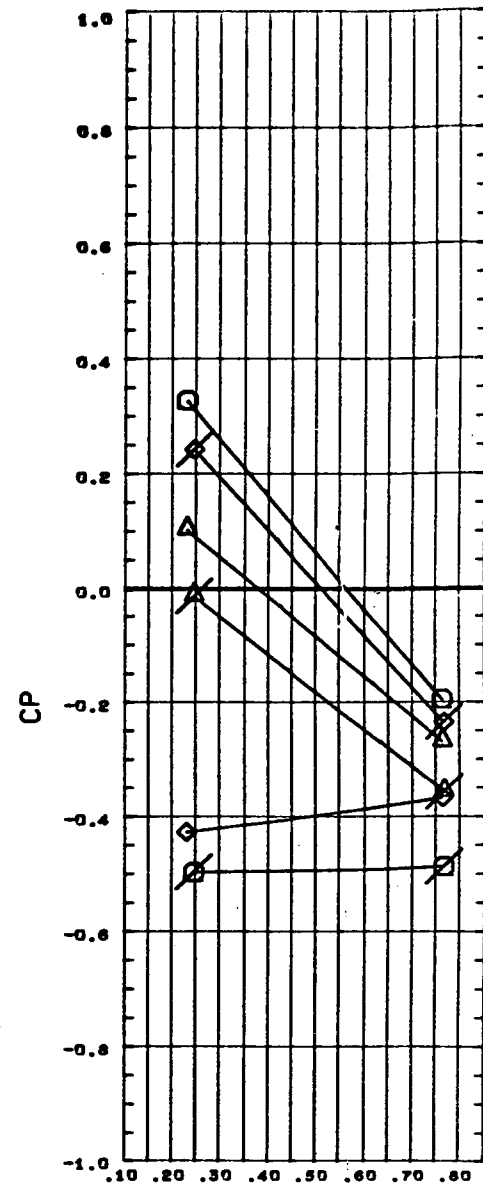
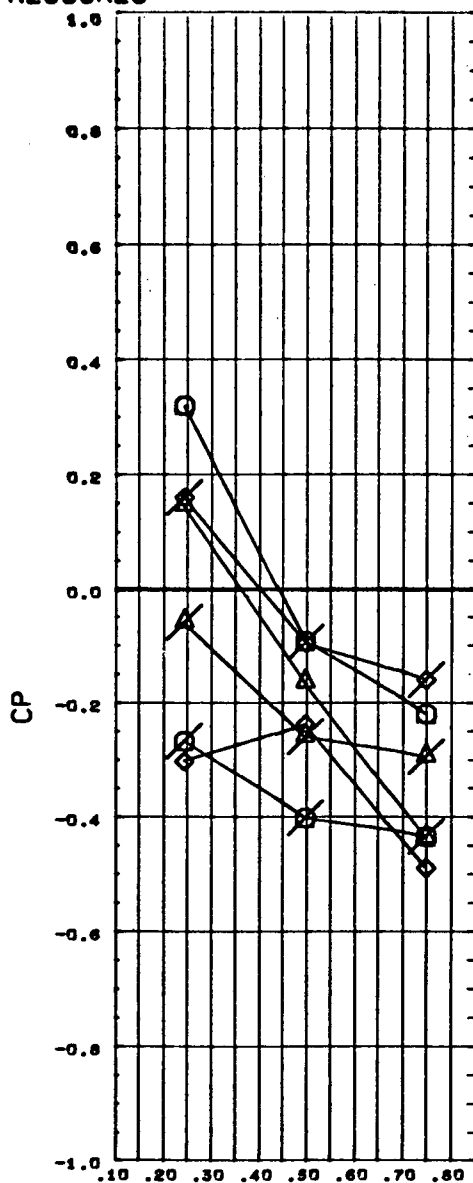
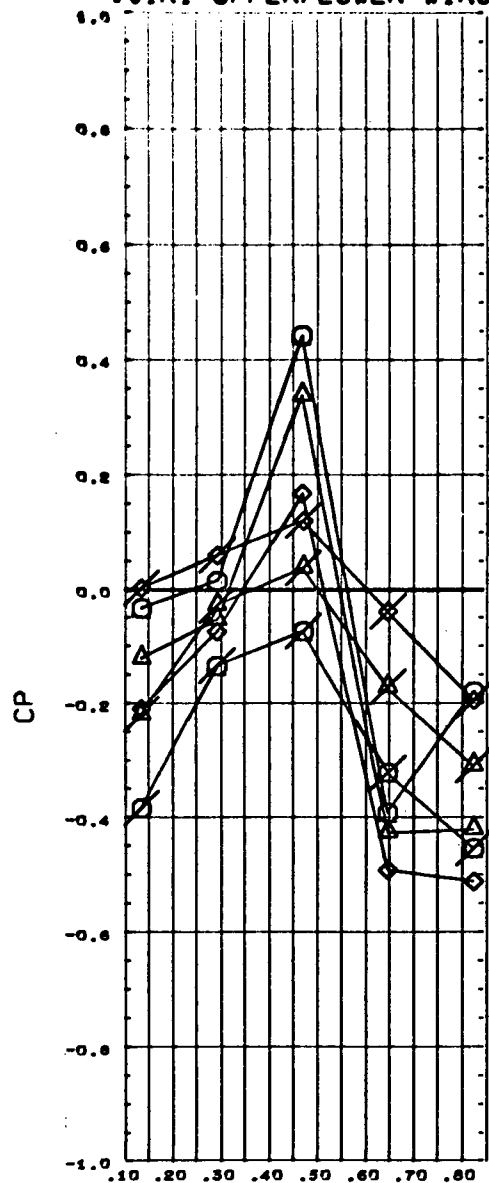


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.093
△	0.000	0.360	
◇	6.000	0.845	

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(867005) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67005) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

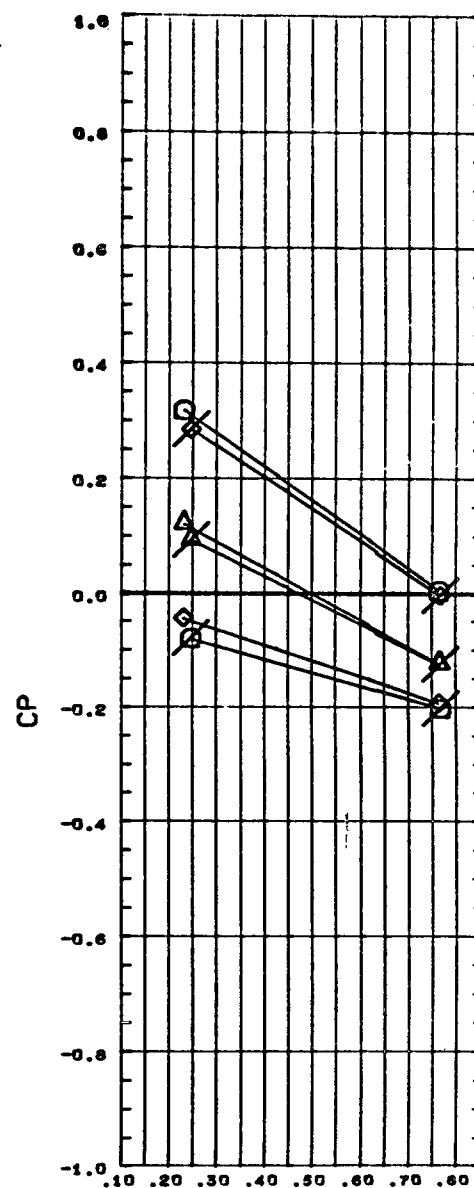
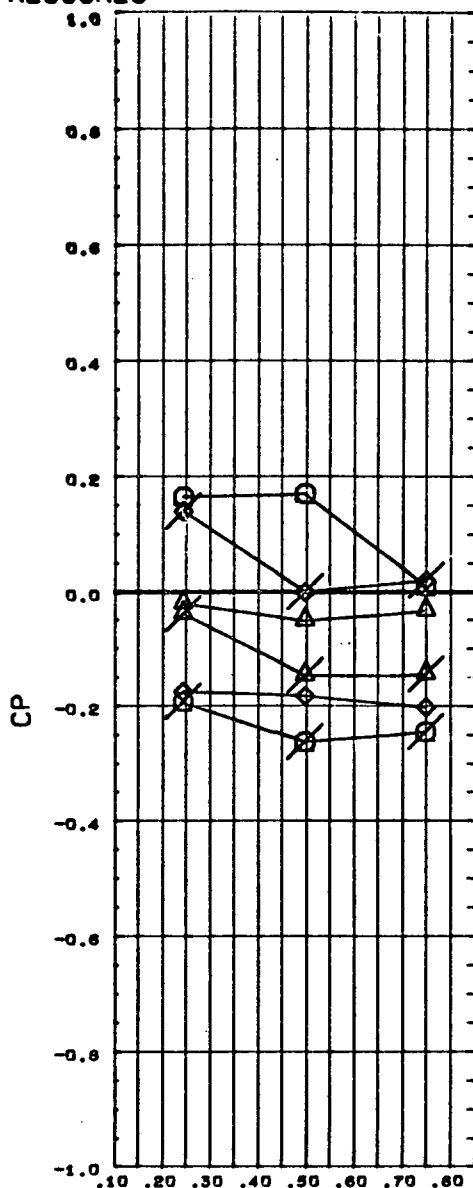
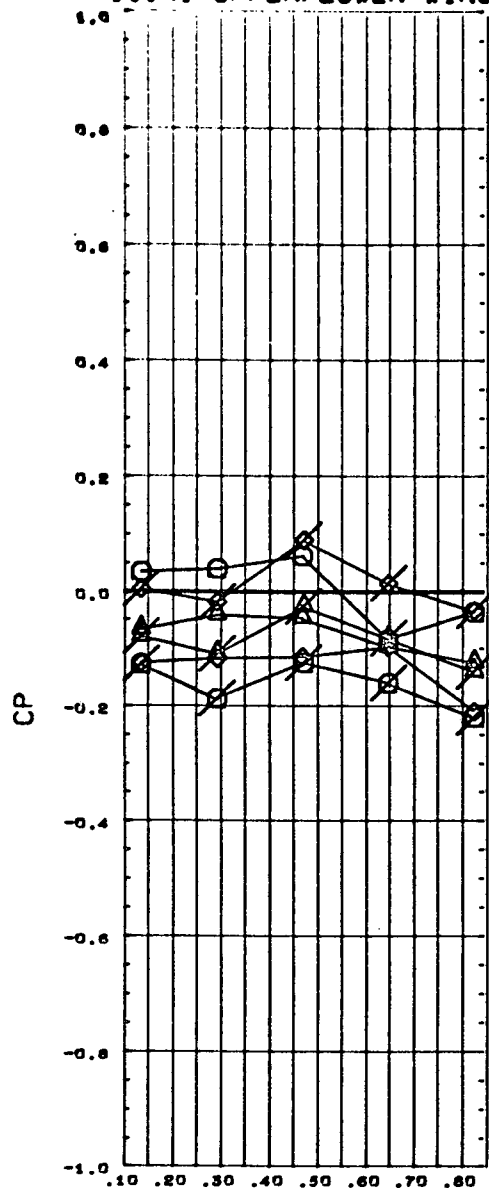


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.195
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67005)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67005)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

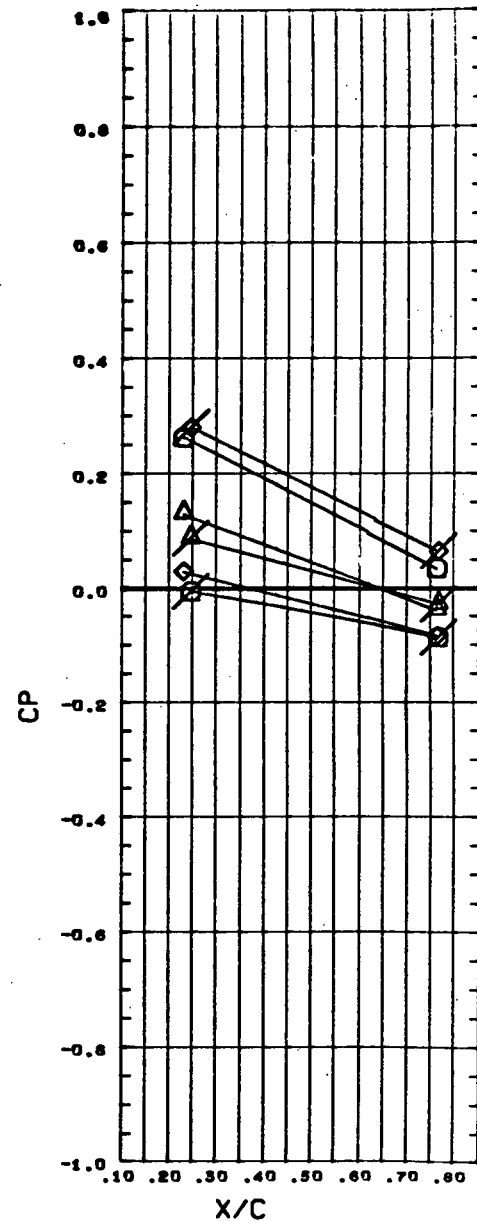
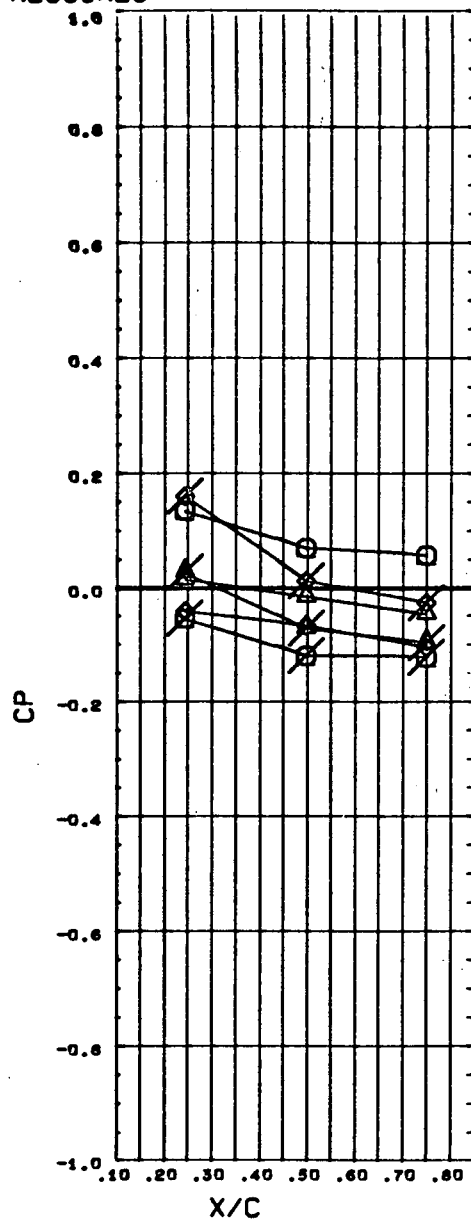
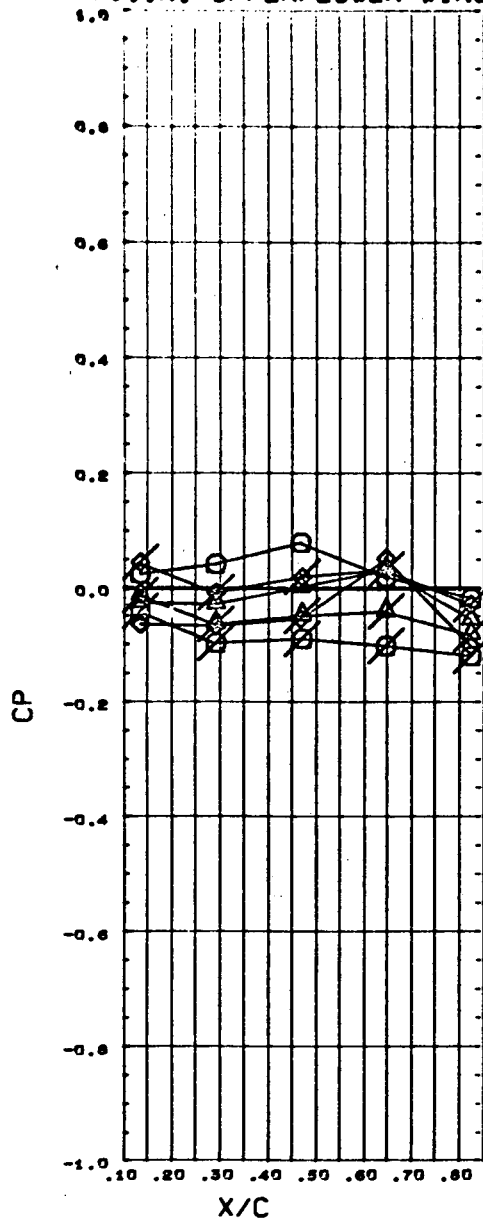


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.960
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
BETA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67005) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67005) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

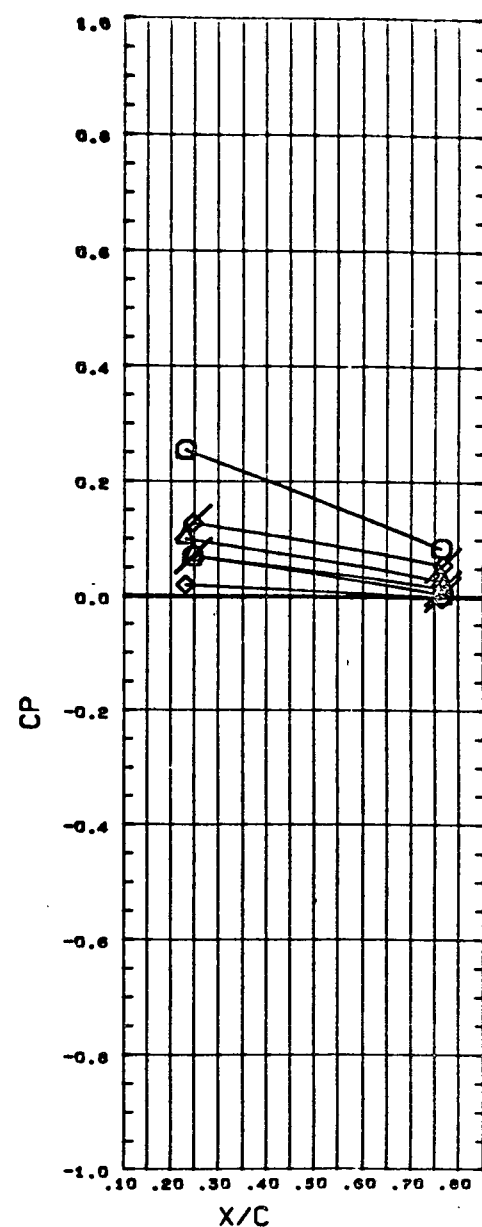
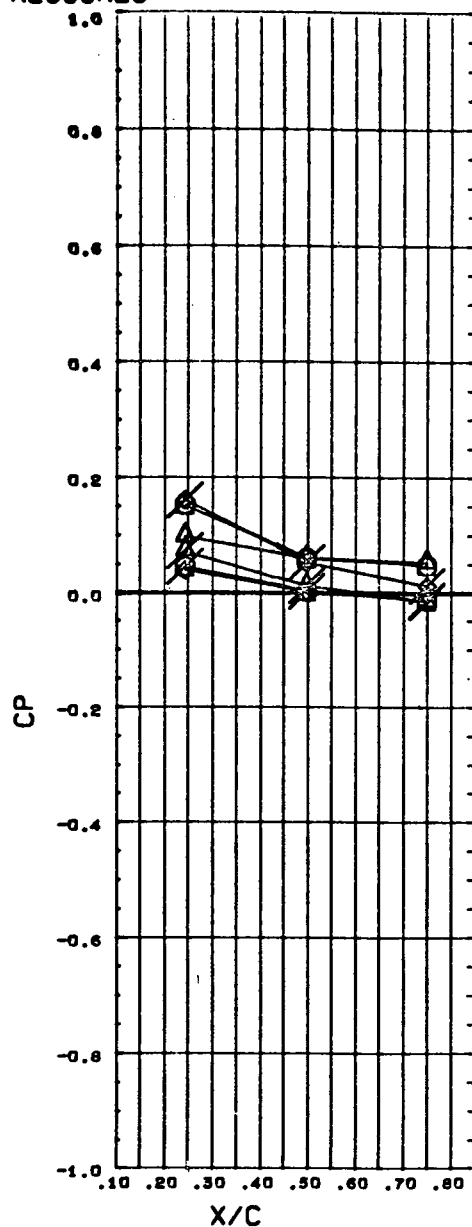
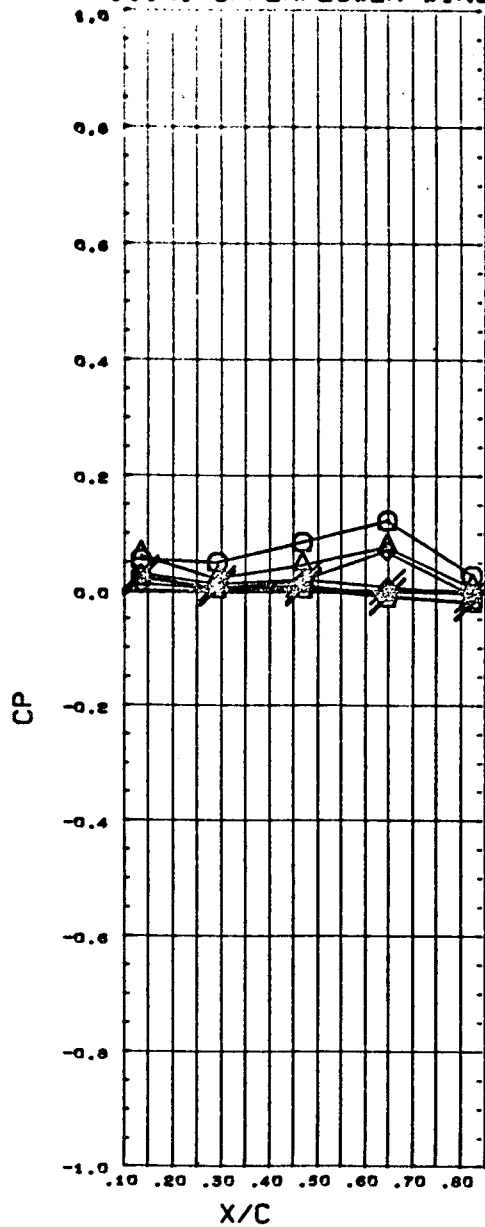


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	2.740
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES:
BETA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(867005) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67005) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

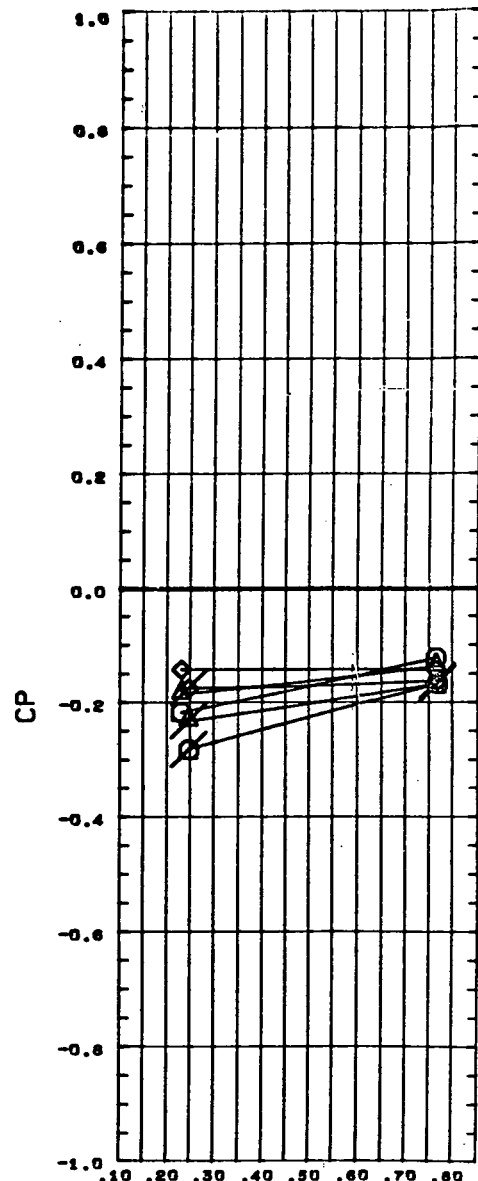
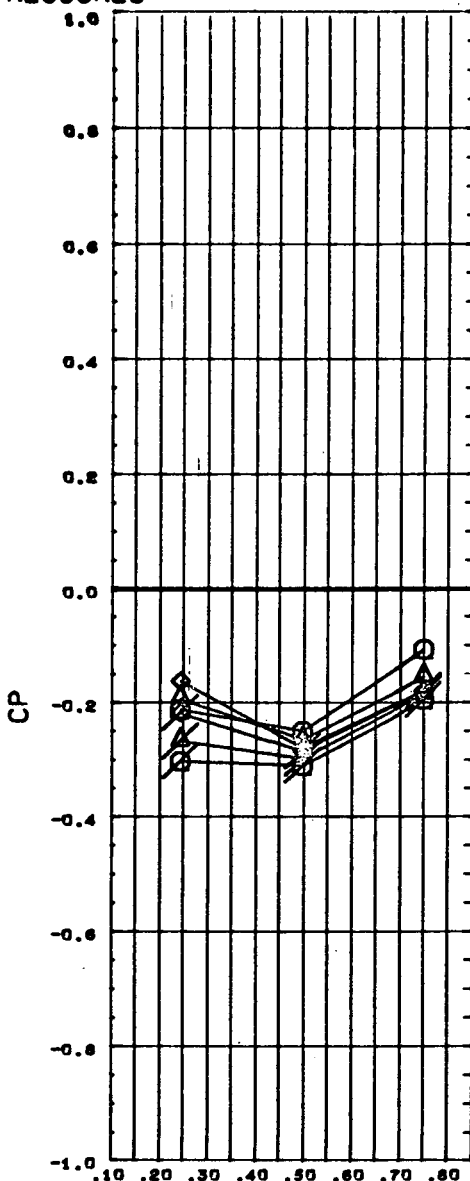
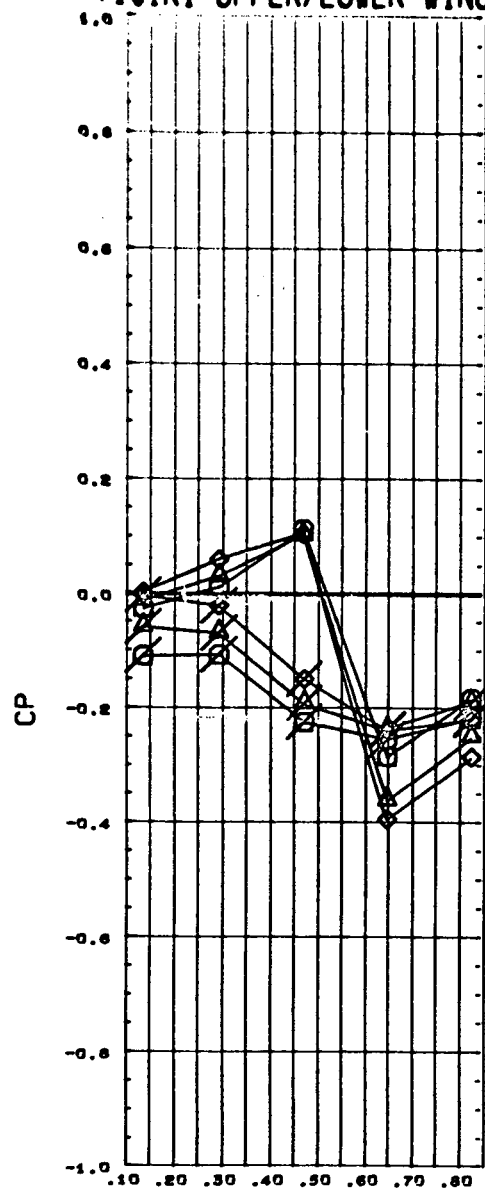


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	4.960
△	0.000	0.560	
◇	6.000	0.645	

PARAMETRIC VALUES
BETA 0.000 ORBINC1 - 1.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67005)	OPEN	MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67005)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

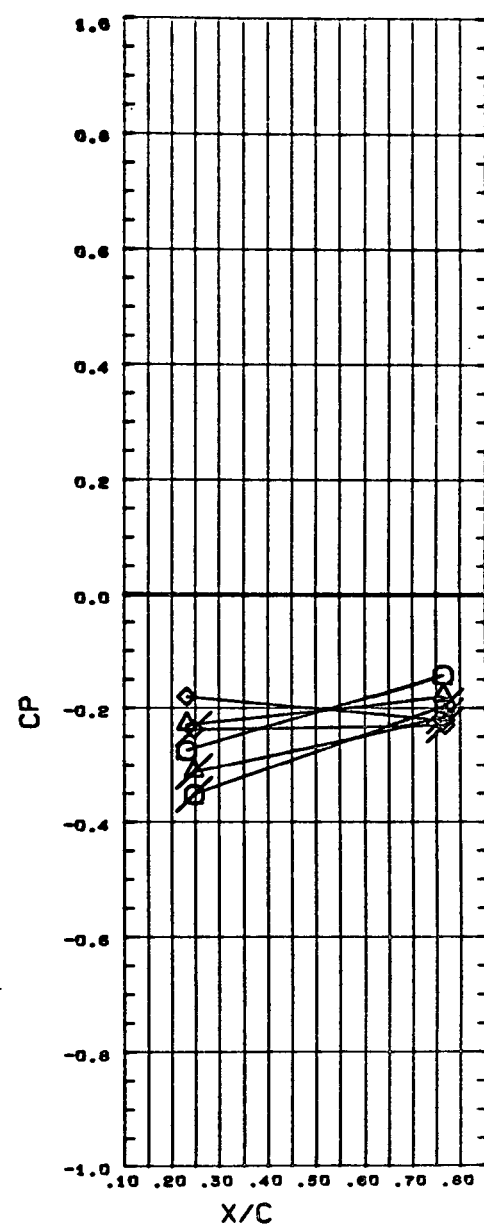
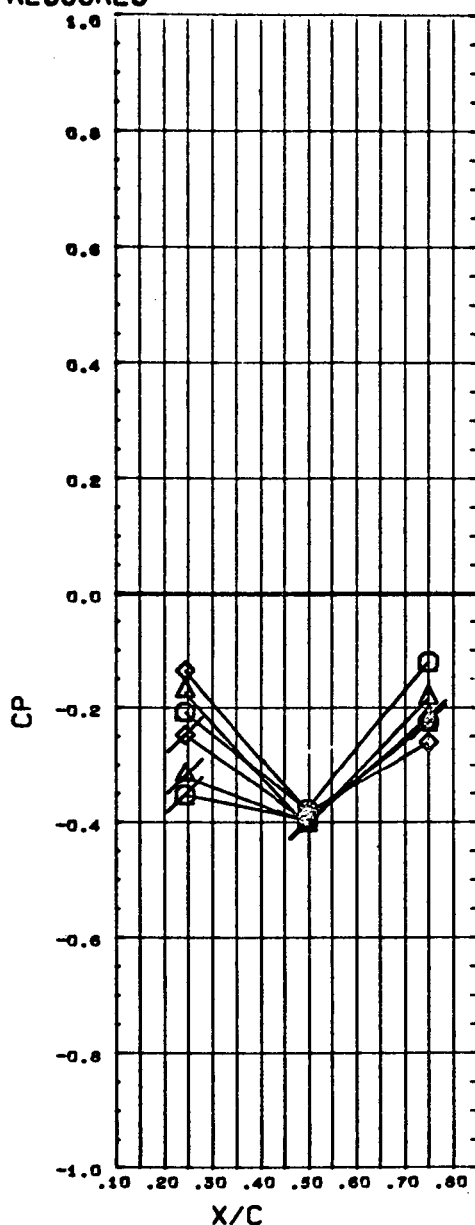
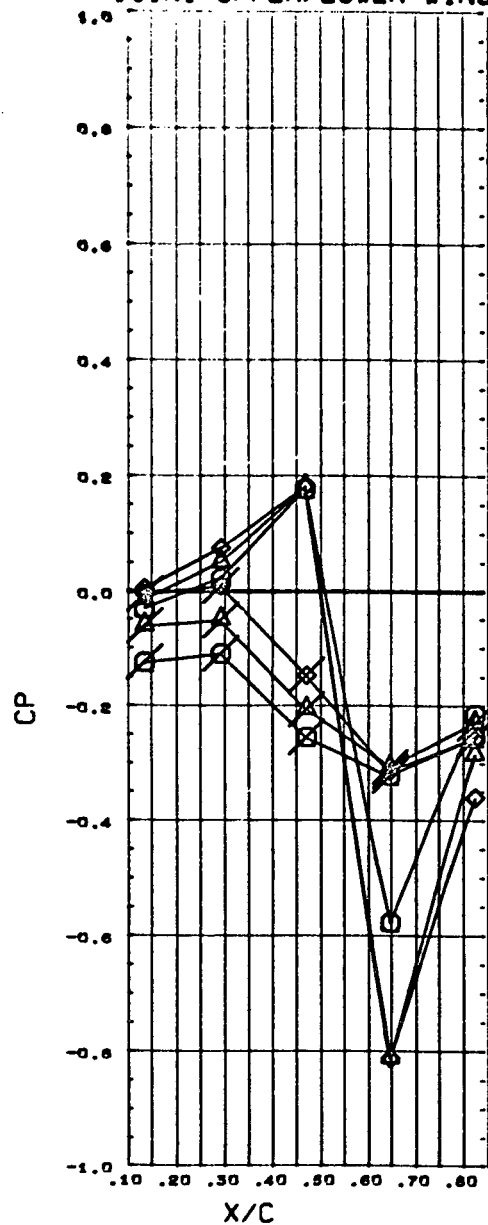


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	0.692
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67006) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67006) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

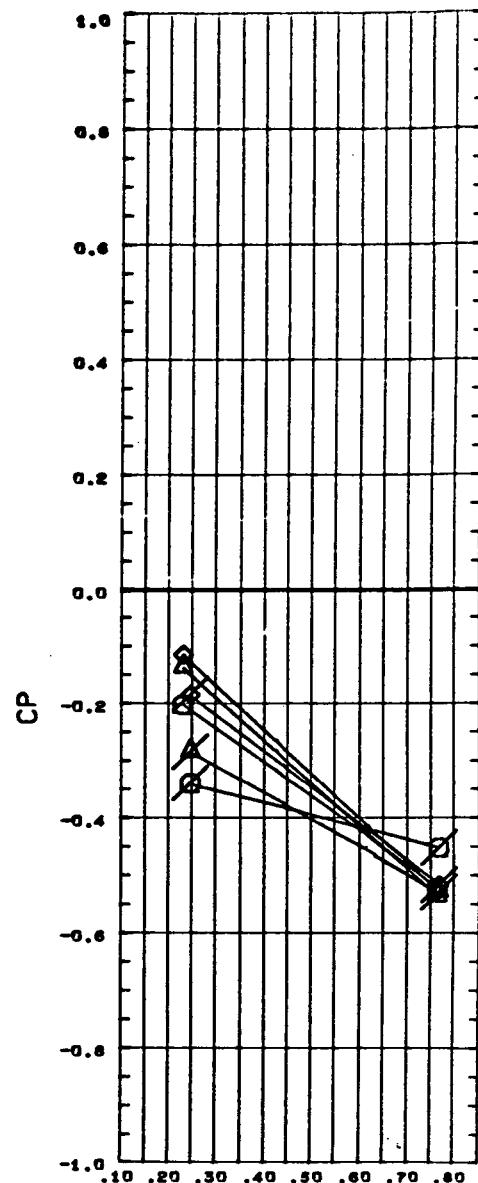
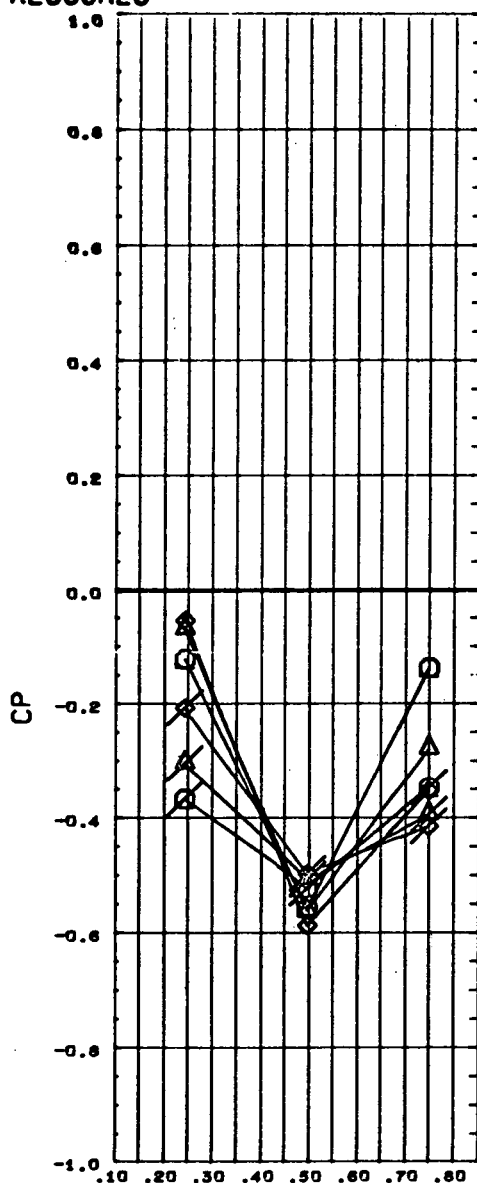
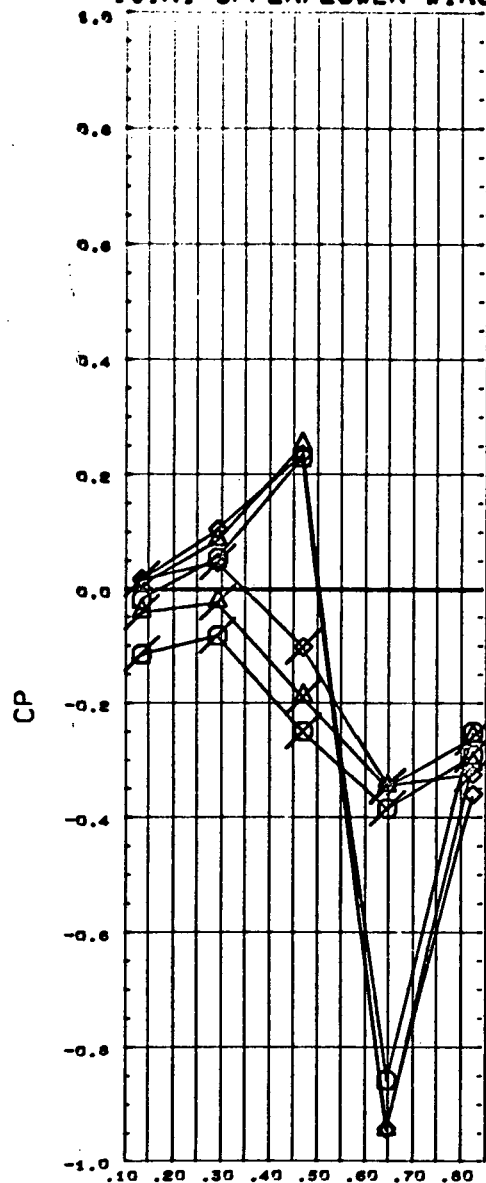


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	0.803
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(867006) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67006) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

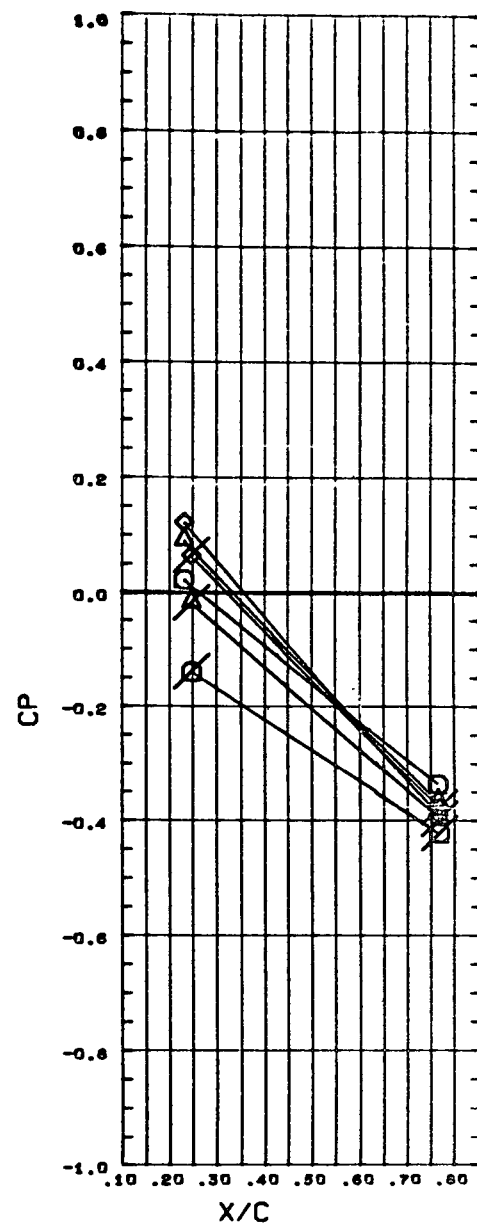
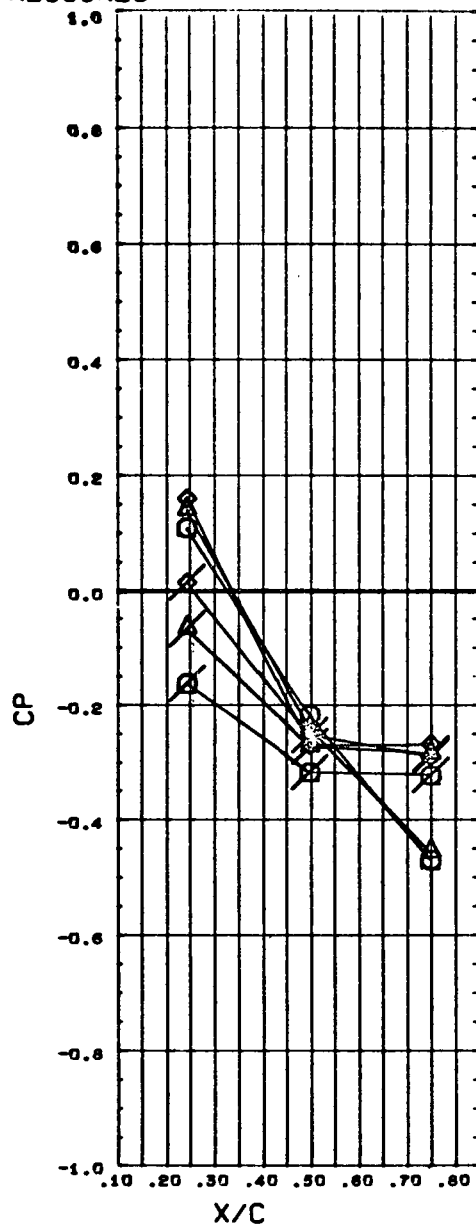
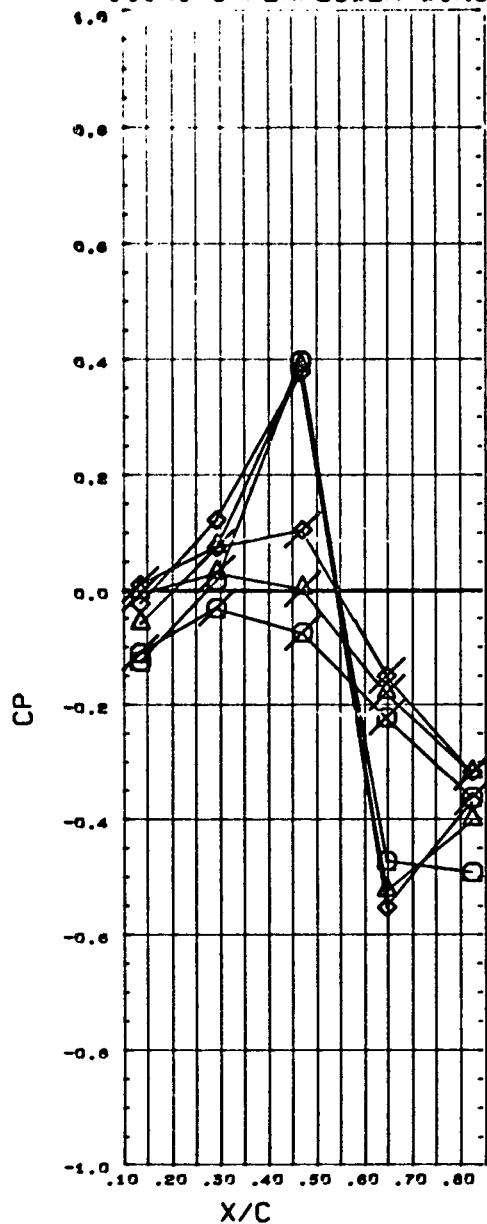


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	0.993
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67006) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
 (C67006) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

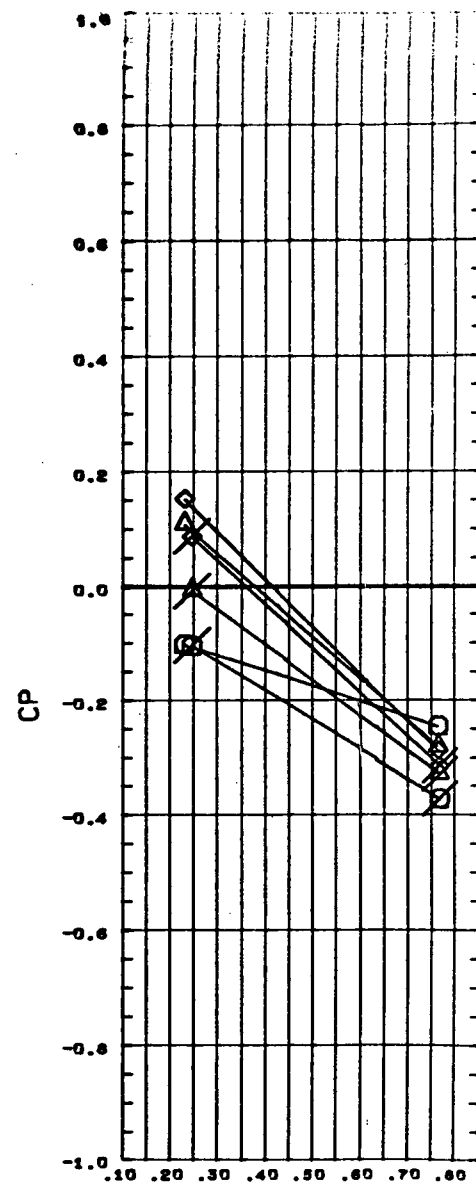
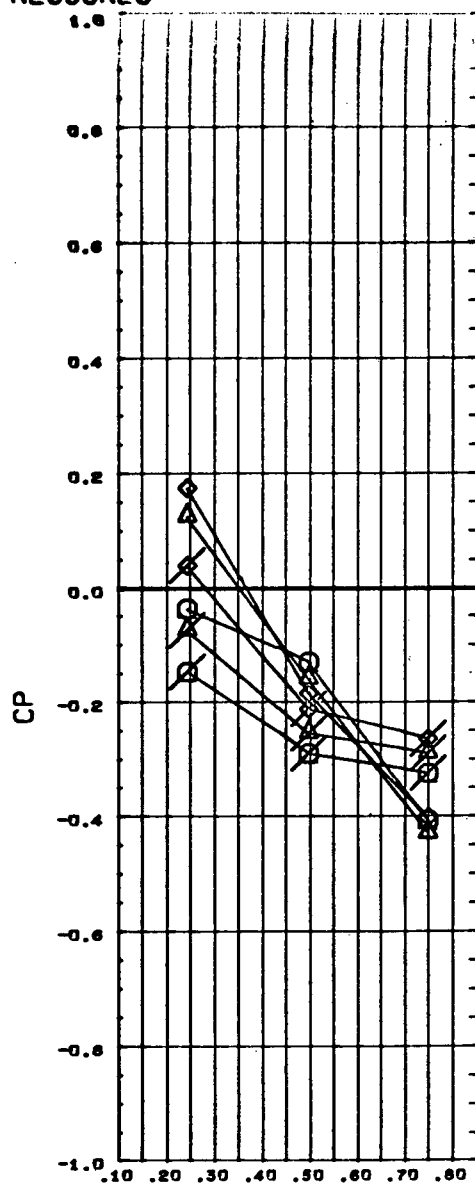
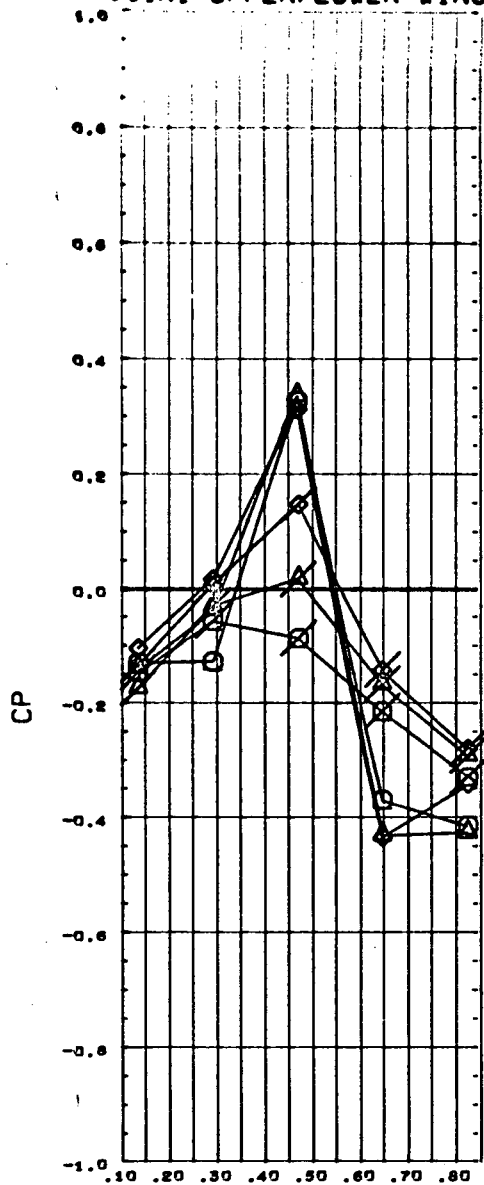


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	1.191
△	0.000	0.560	
◇	6.000	0.845	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (867006) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
 (C67006) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.500

T101R1 UPPER/LOWER WING PRESSURES

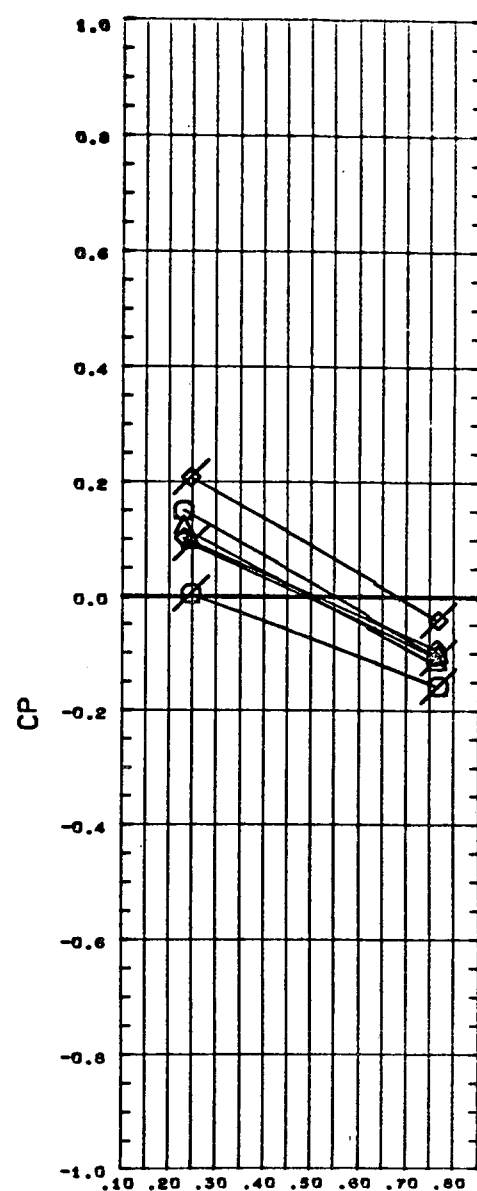
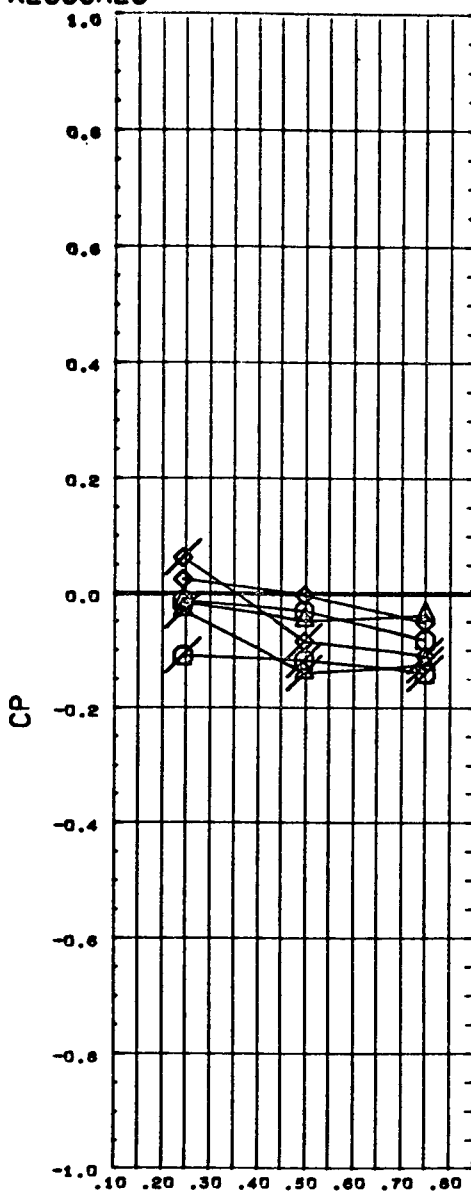
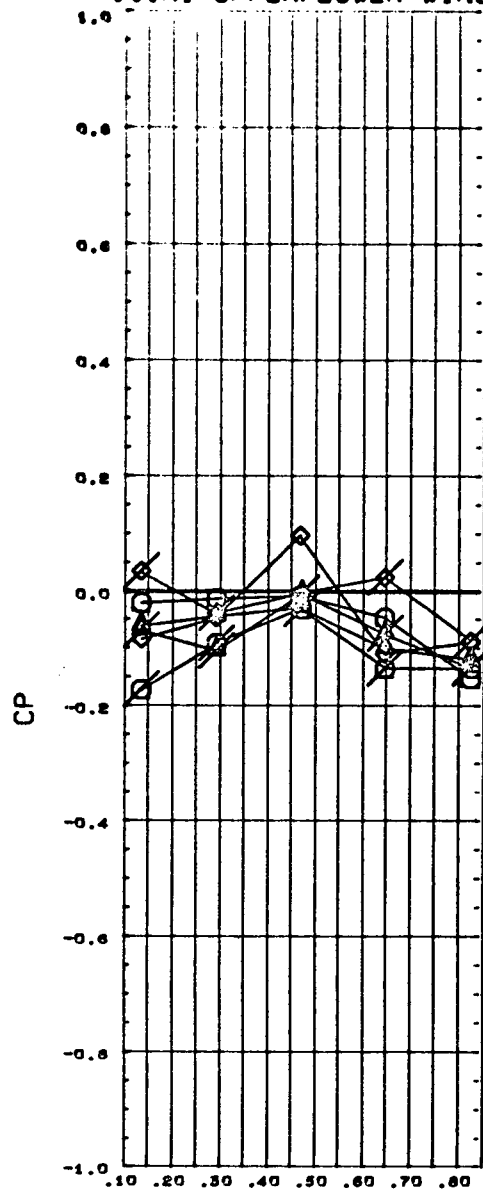


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	1.198
△	0.000	0.580	
◇	6.000	0.845	

PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67006) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
 (C67006) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

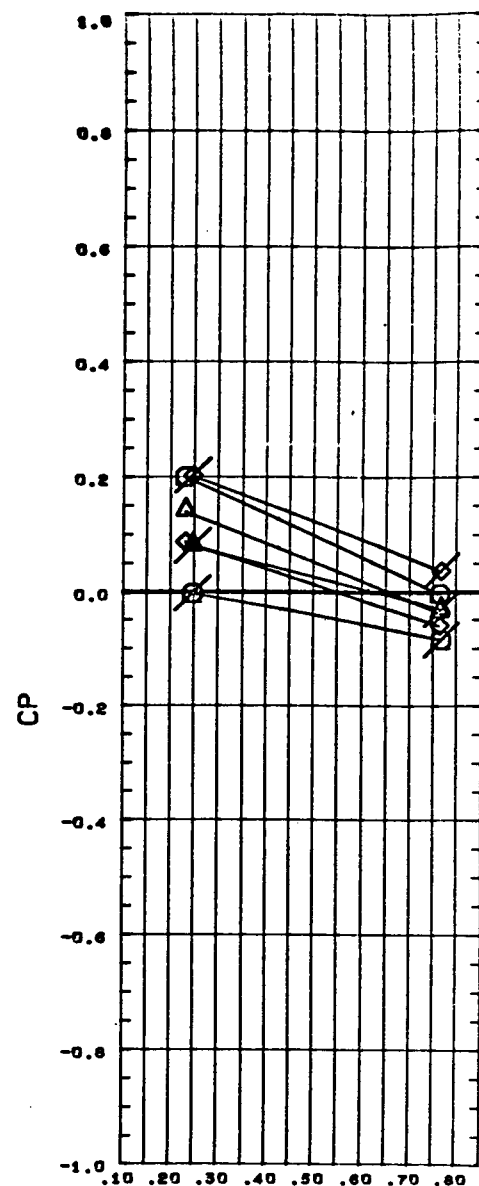
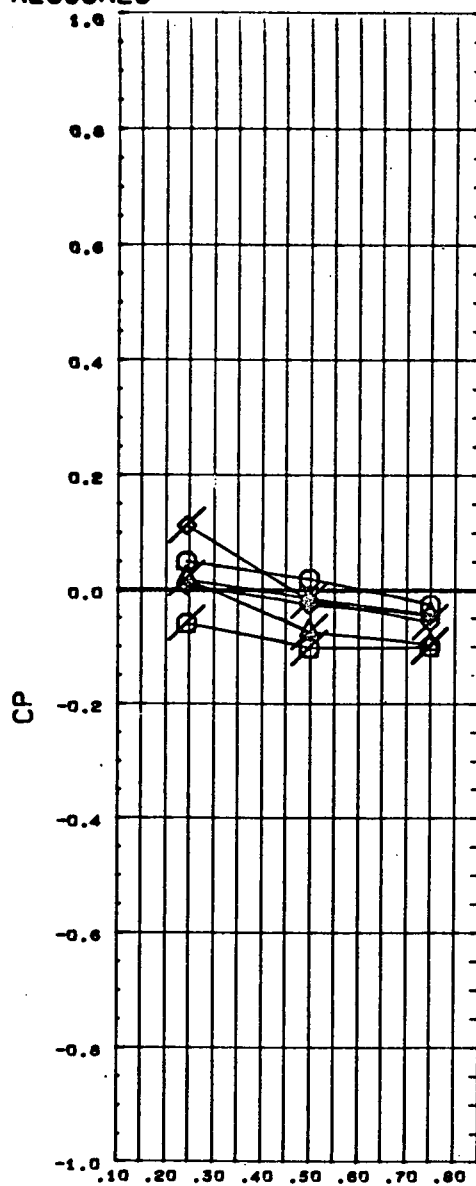
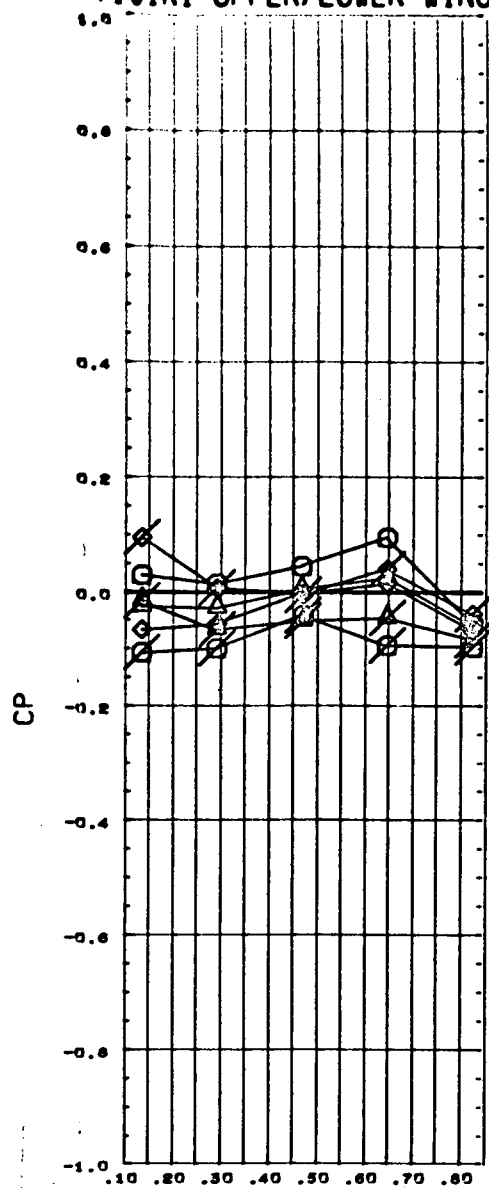


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	1.957
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67006) OPEN NSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
 (C67006) FLAGGED NSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

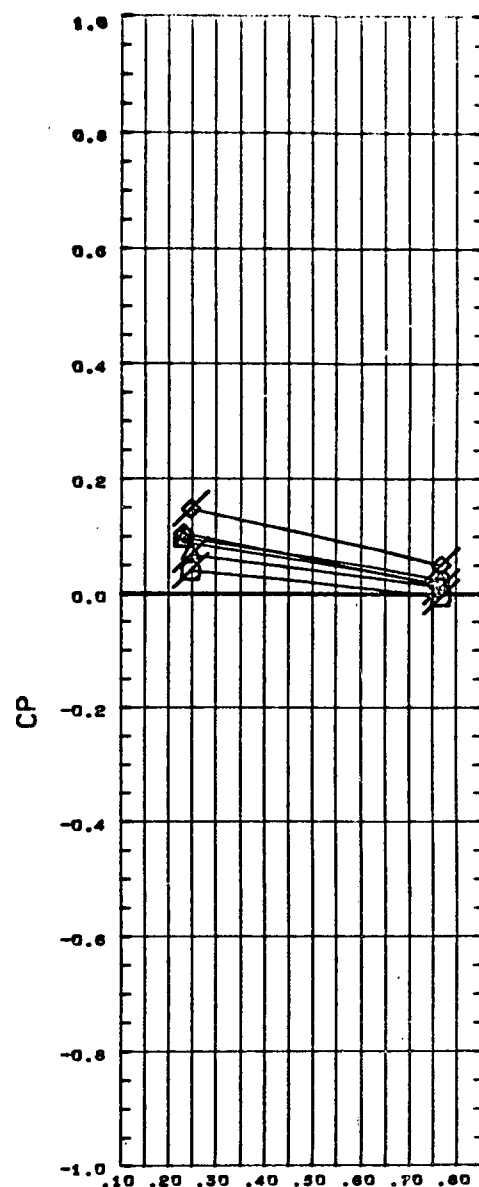
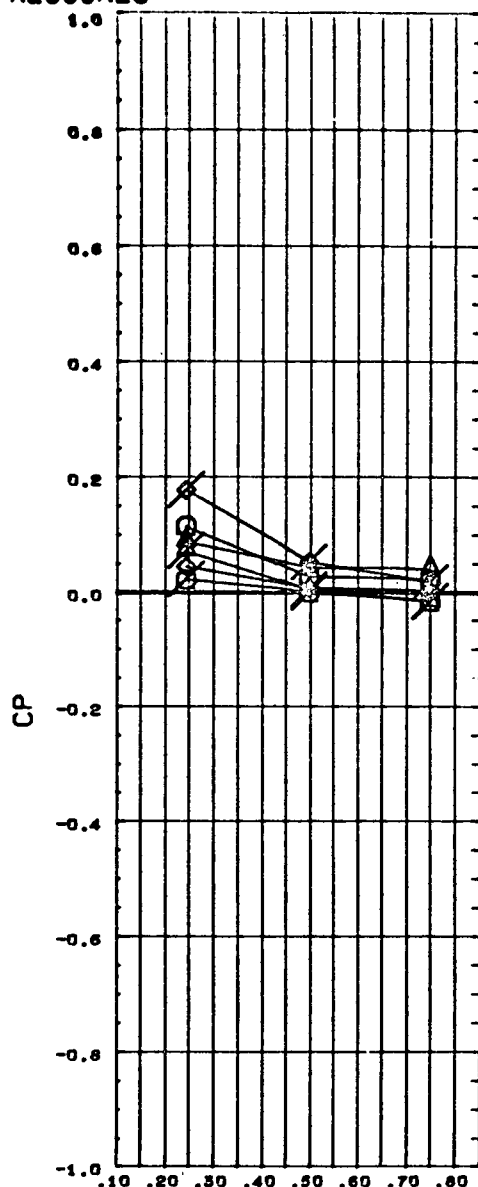
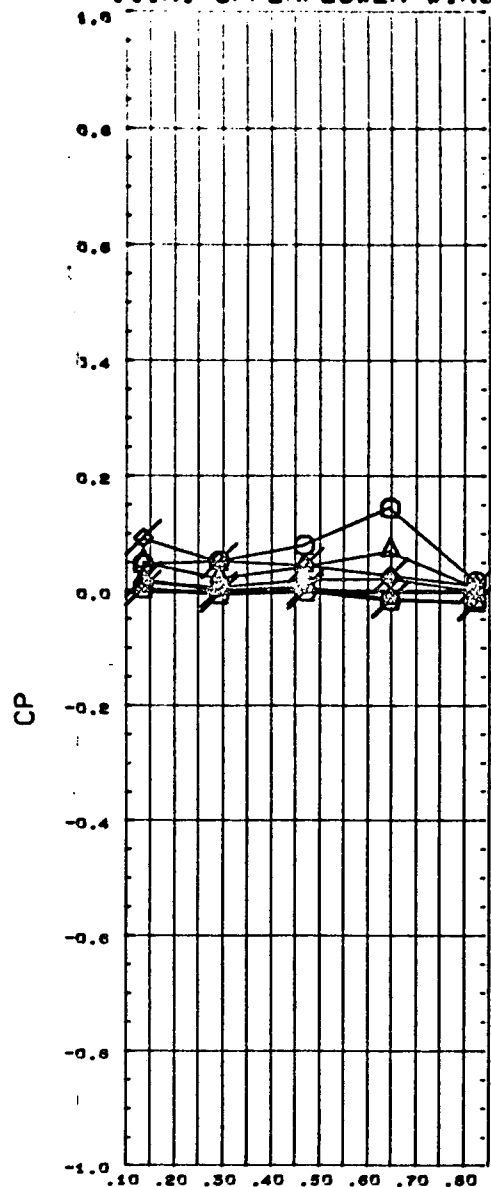


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	2.740
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(867006) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67006) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1 UPPER/LOWER WING PRESSURES

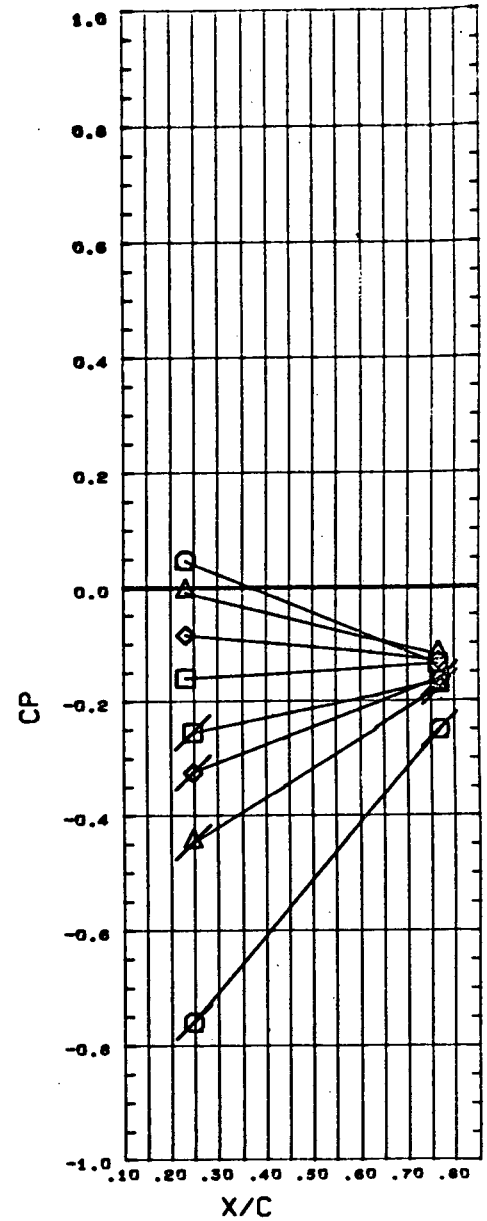
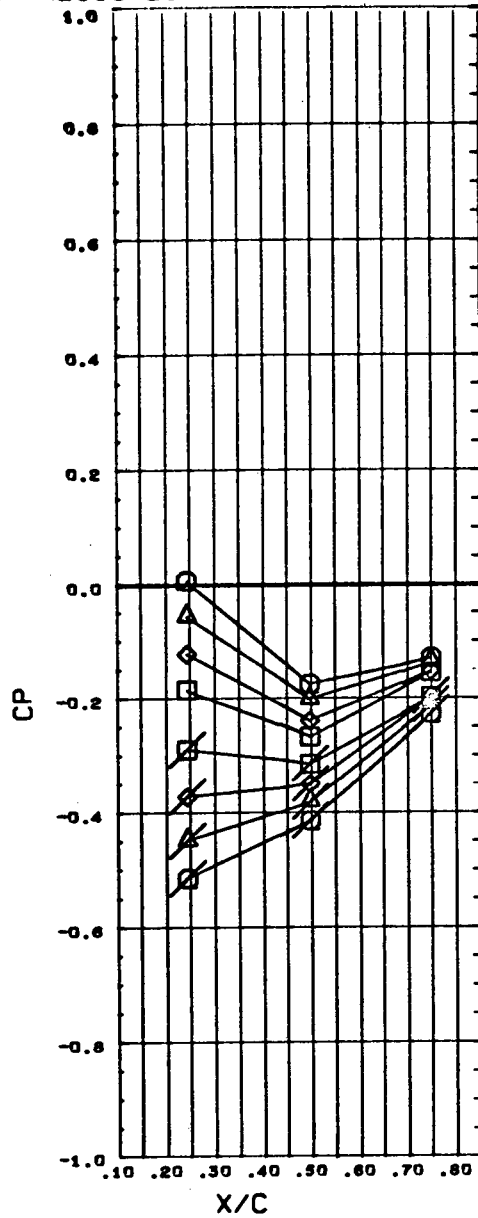
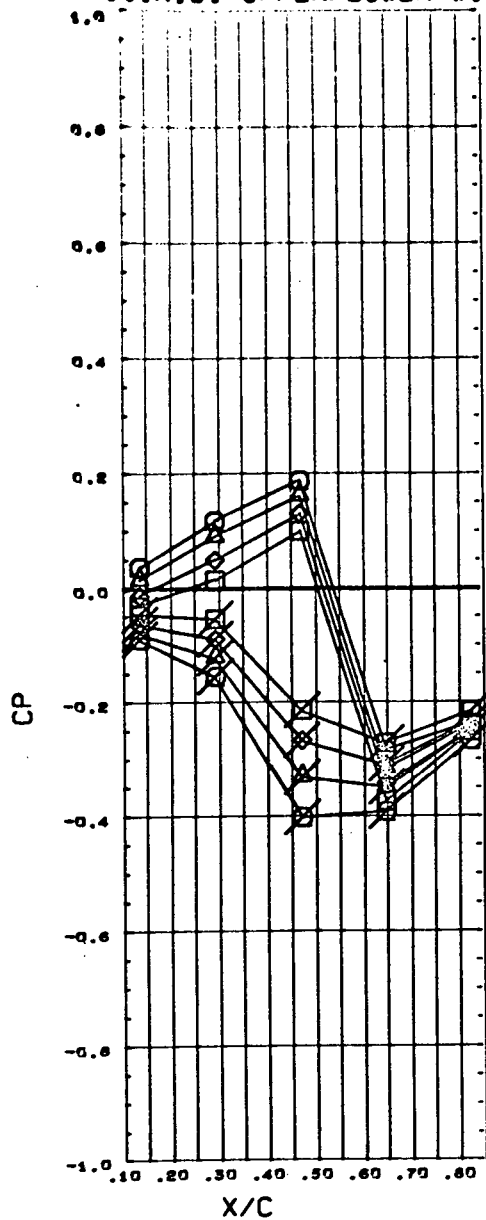


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	4.960
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000 ORBINC - 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67006) OPEN MSFC TWT 540 LAUNCH PRESSURES T101R1 (UPPER WING)
(C67006) FLAGGED MSFC TWT 540 LAUNCH PRESSURES T101R1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

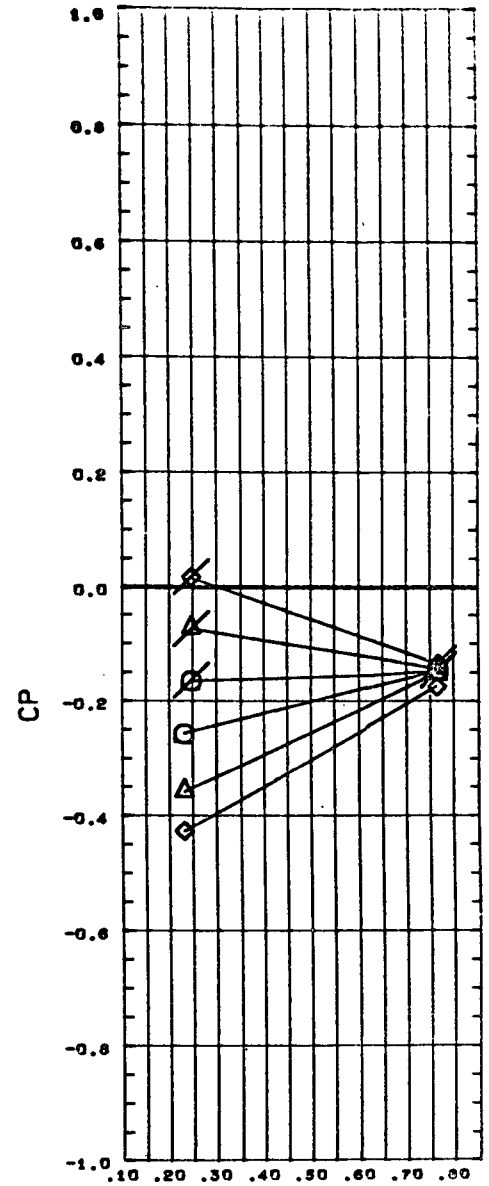
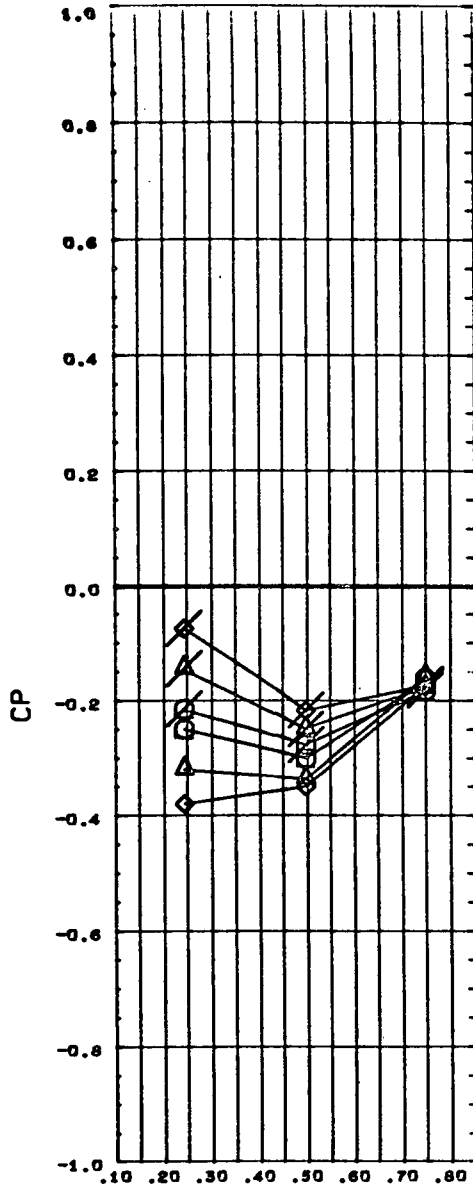
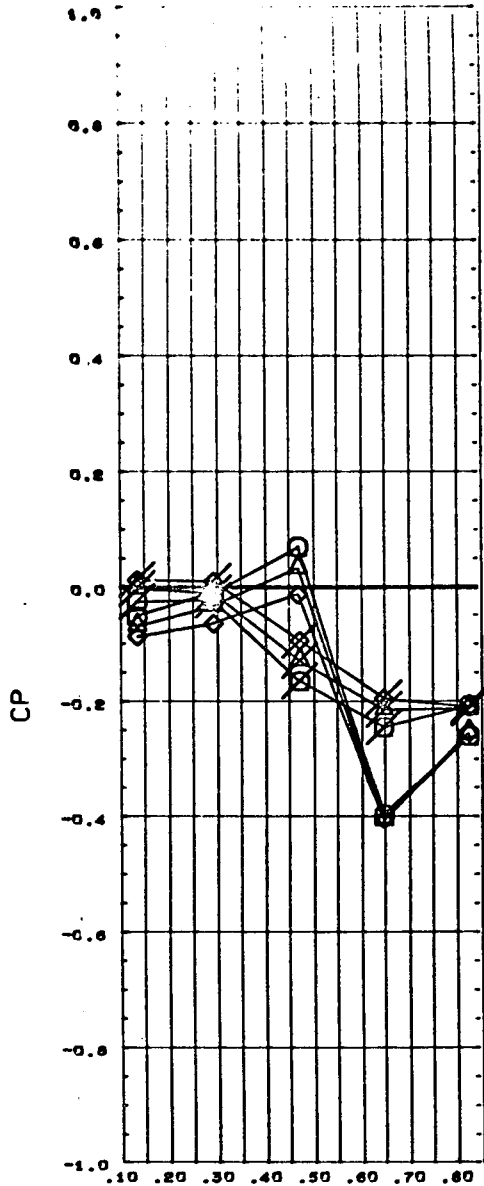


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.602
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67007) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67007) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500
 SANGLE 21.000

T101R1S1 UPPER/LOWER WING PRESSURES

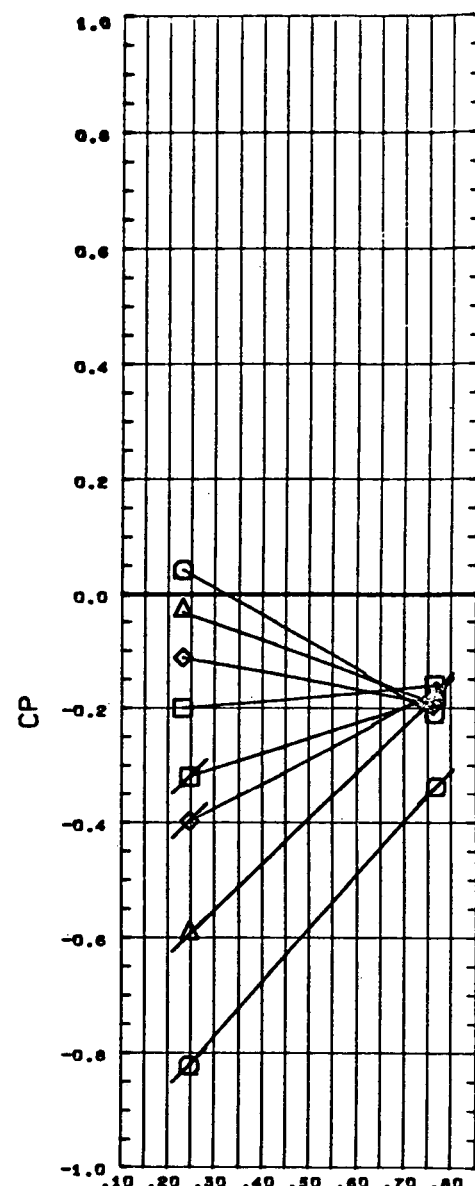
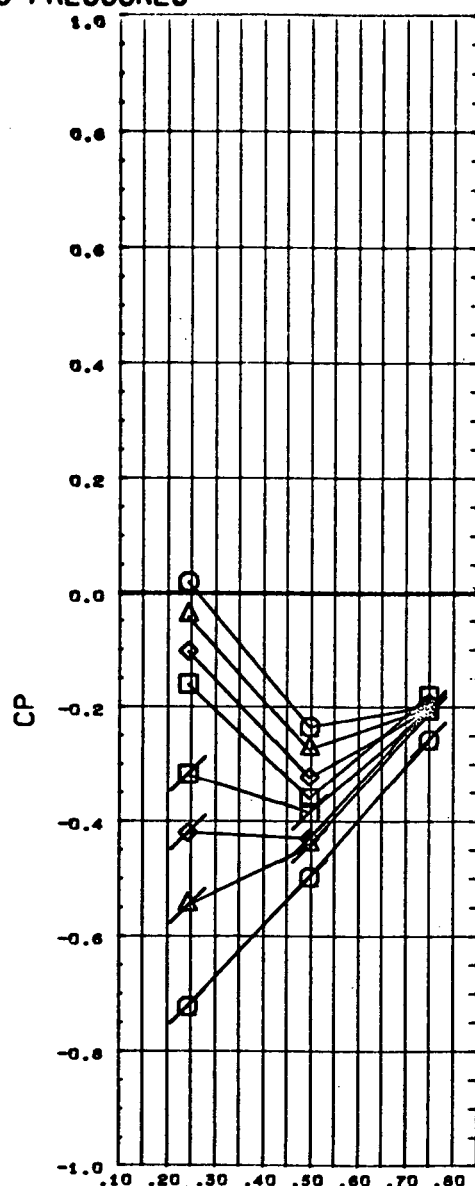
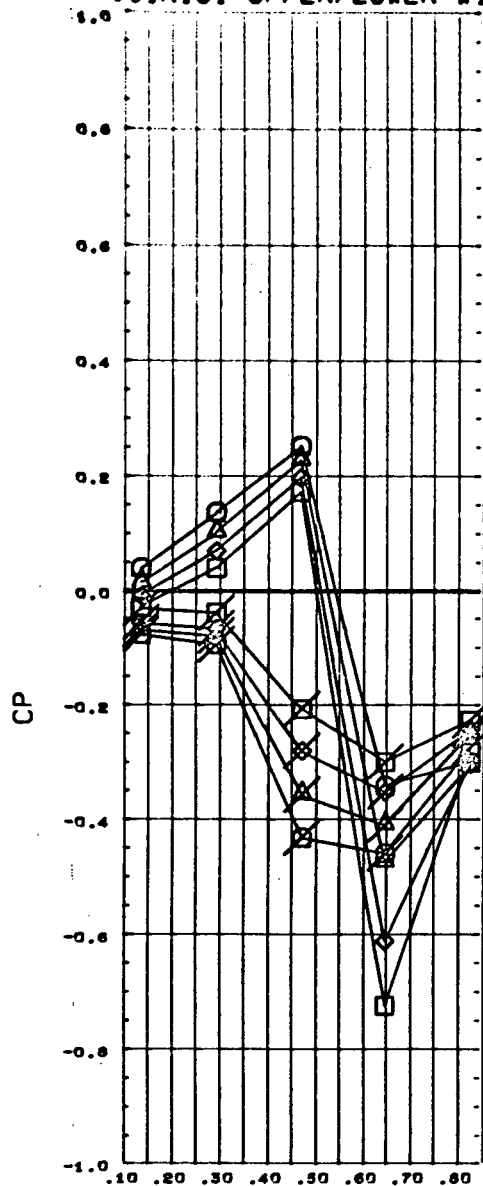


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	0.602
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES		
BETA	0.000	ORINC - 1.500
SANGLE	21.000	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67007) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67007) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

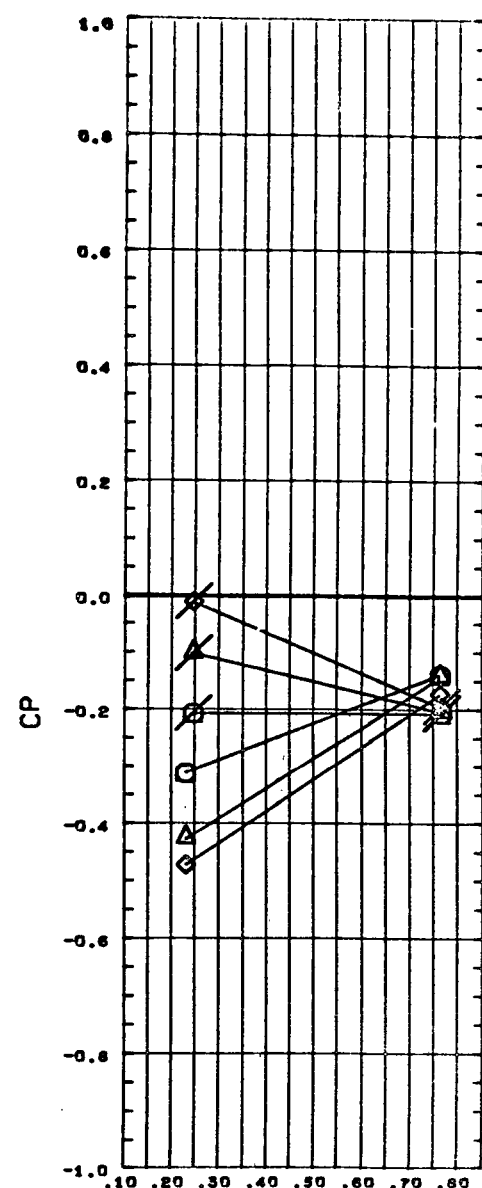
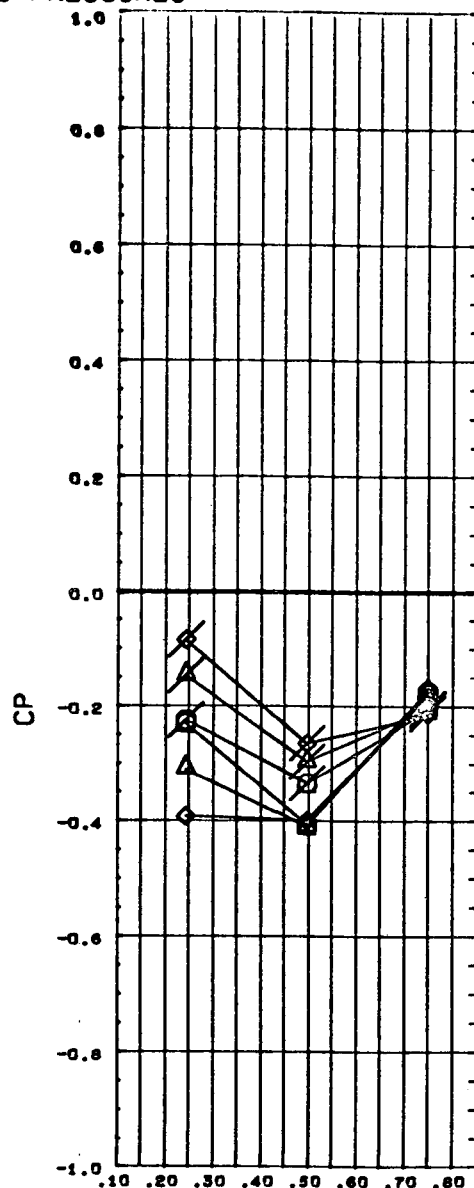
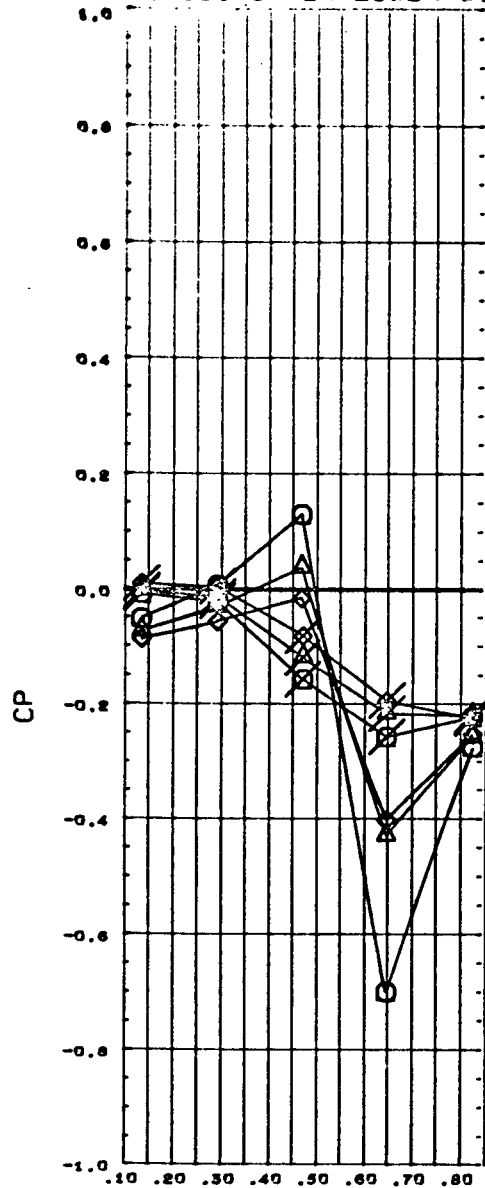


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.798
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67007) OPEN NSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67007) FLAGGED NSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500
 SANGLE 21.000

T101R1S1 UPPER/LOWER WING PRESSURES

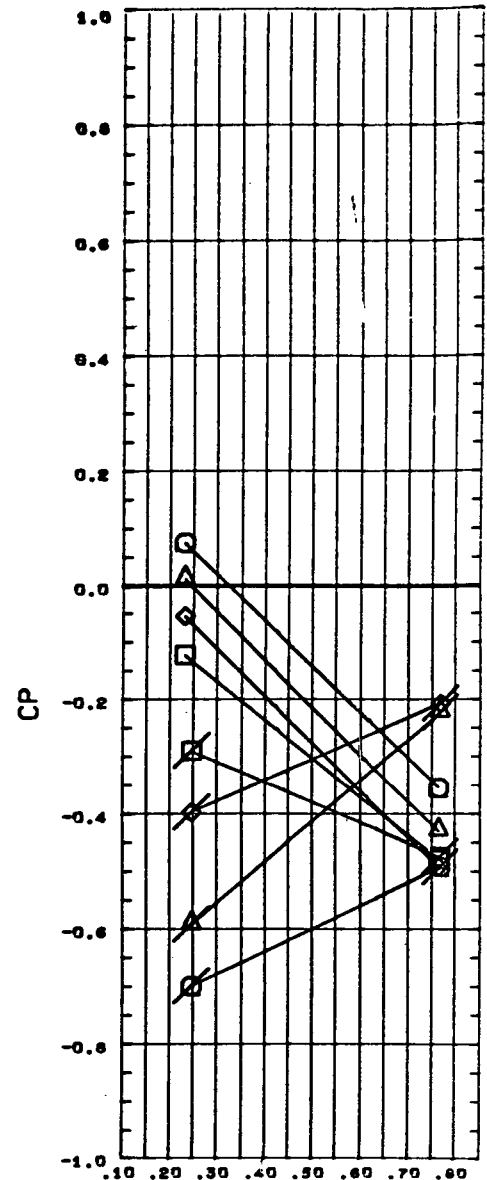
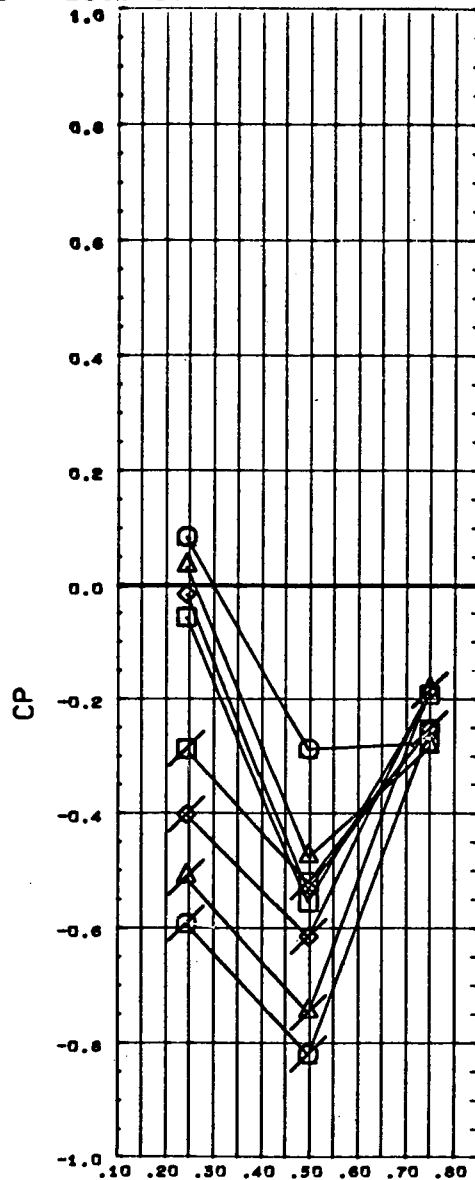
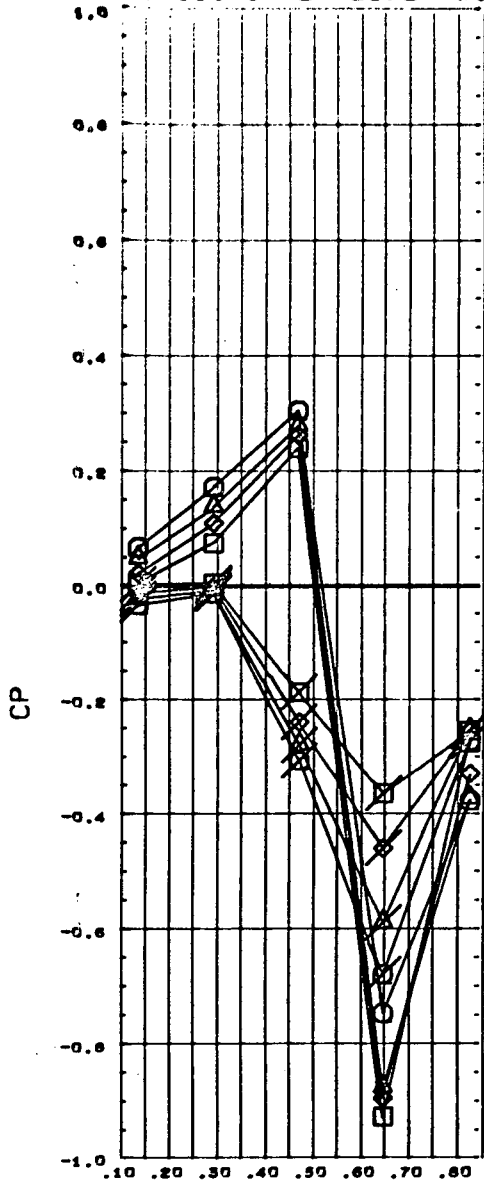


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	0.798
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67007)	OPEN	MSFC TWT 540 LNCH PRESSURES T101R1S1(UPPER WING)
(C67007)	FLAGGED	MSFC TWT 540 LNCH PRESSURES T101R1S1(LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

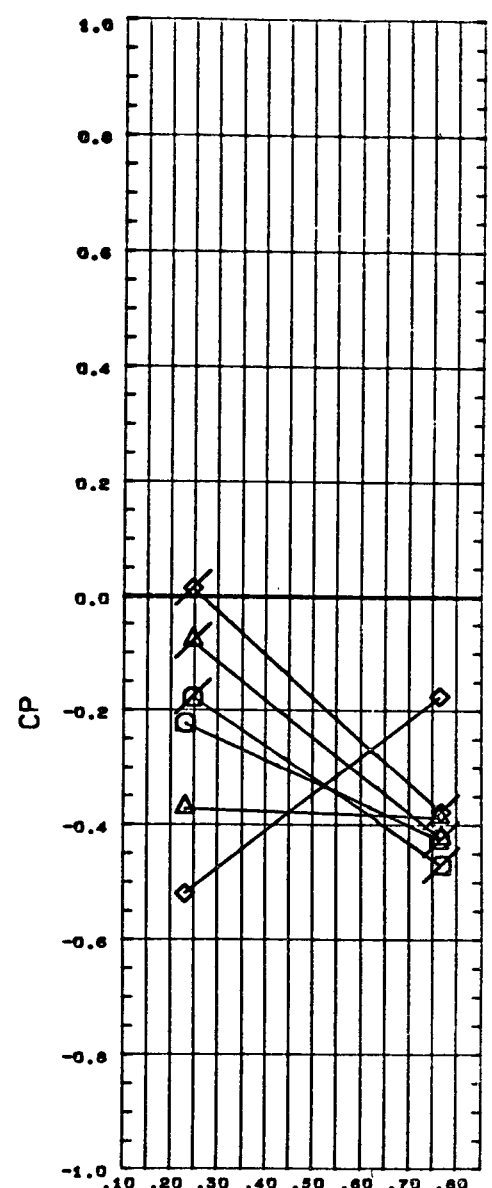
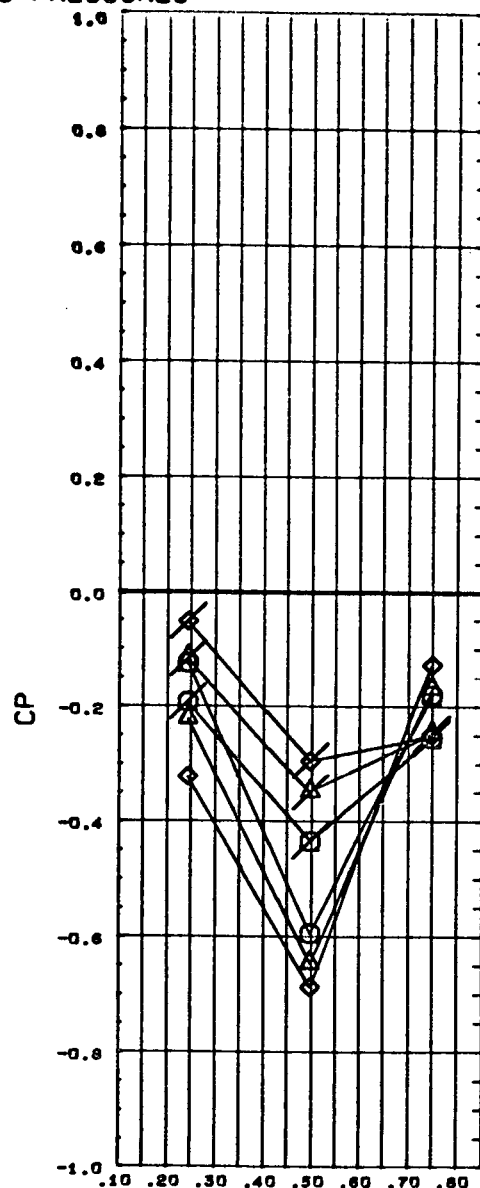
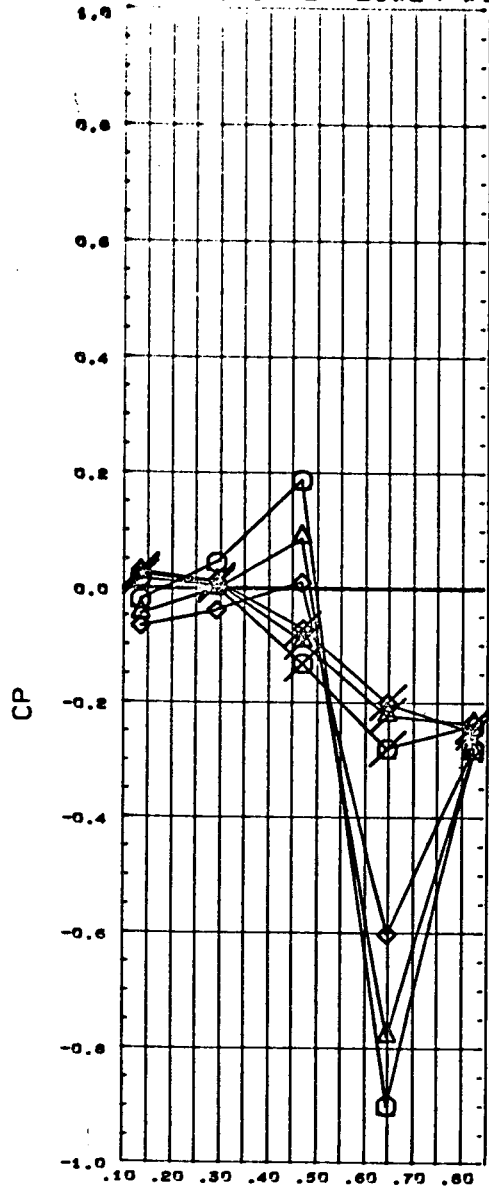


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.901
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

PARAMETRIC VALUES	
BETA	0.000
SANGLE	21.000
ORBINC	- 1.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67007) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67007) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

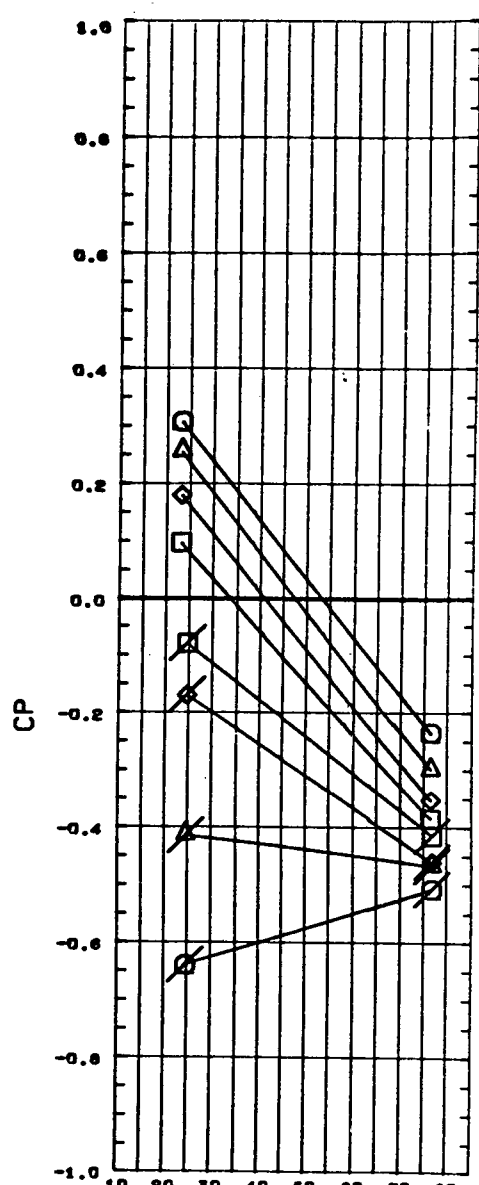
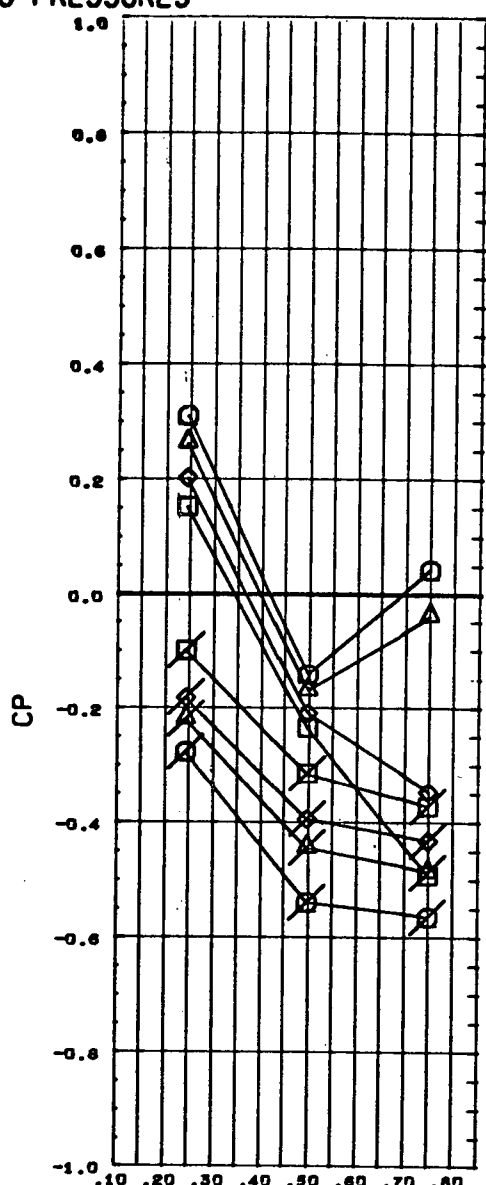
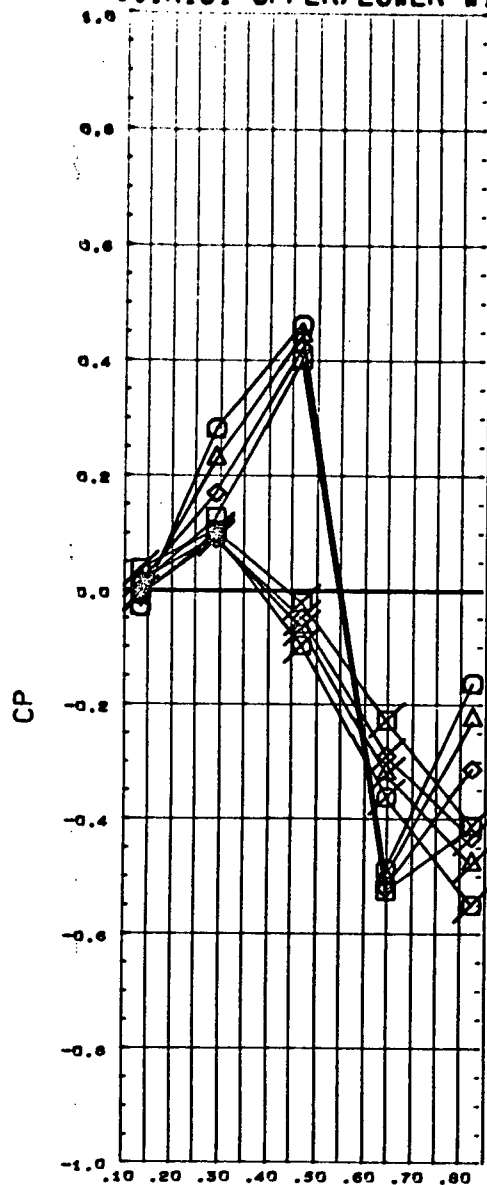


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	0.901
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67007)	OPEN	MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
(C67007)	FLAGGED	MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

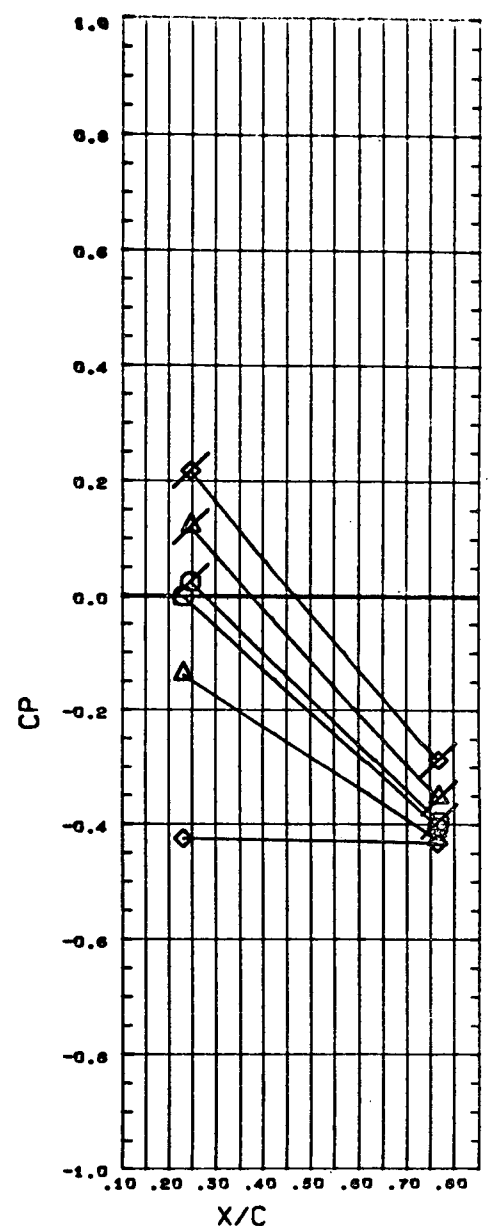
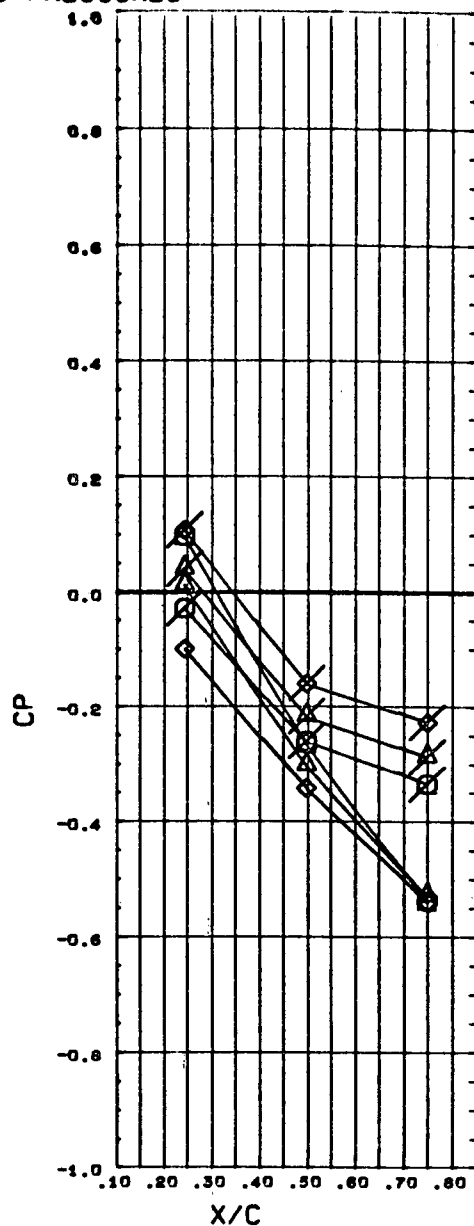
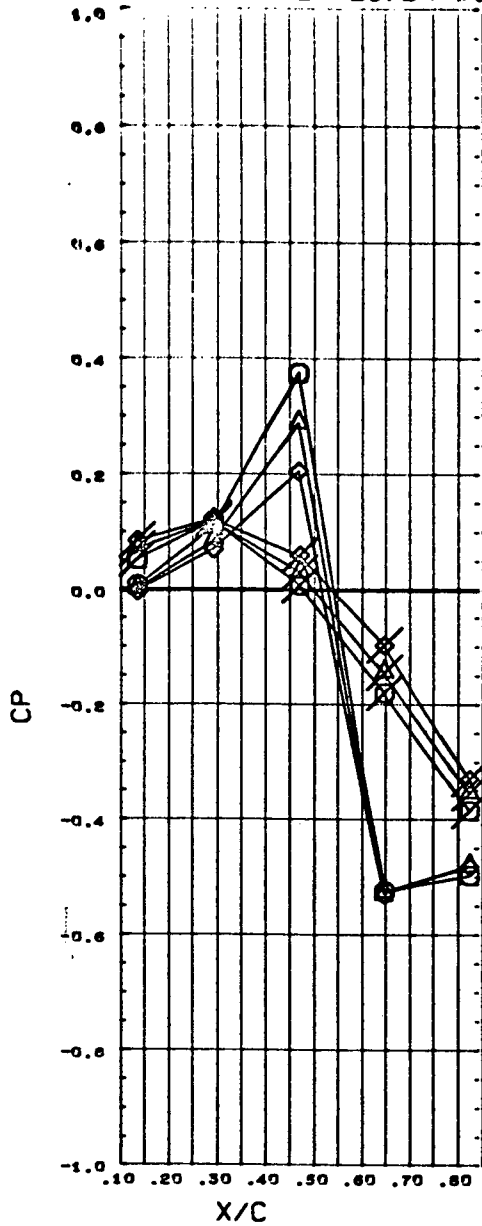


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.103
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (867007) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67007) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500
 SANGLE 21.000

T101R1S1 UPPER/LOWER WING PRESSURES

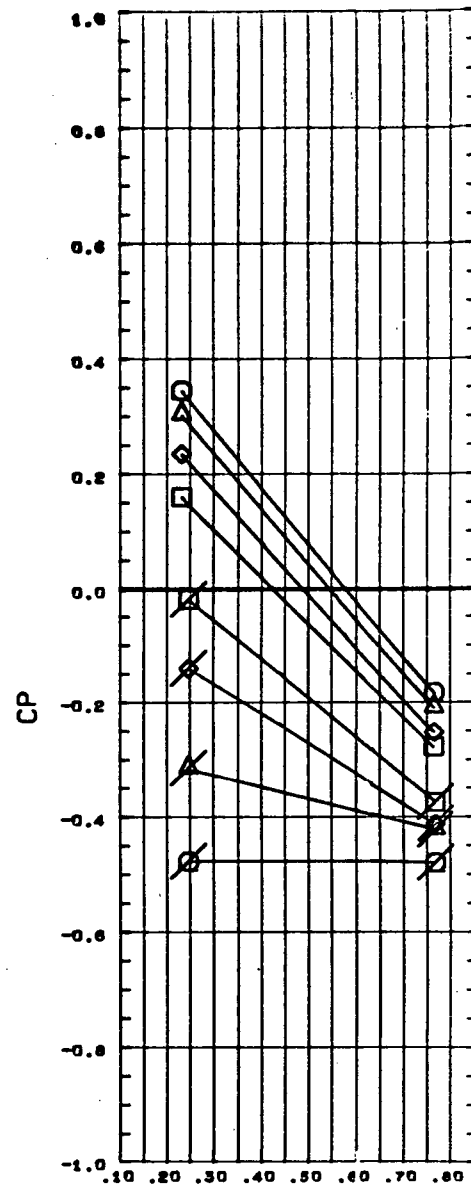
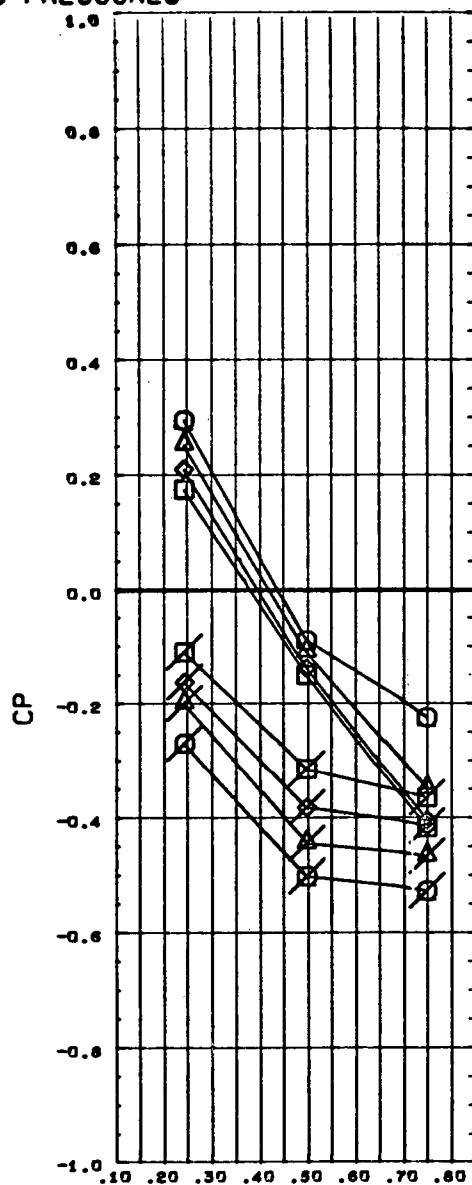
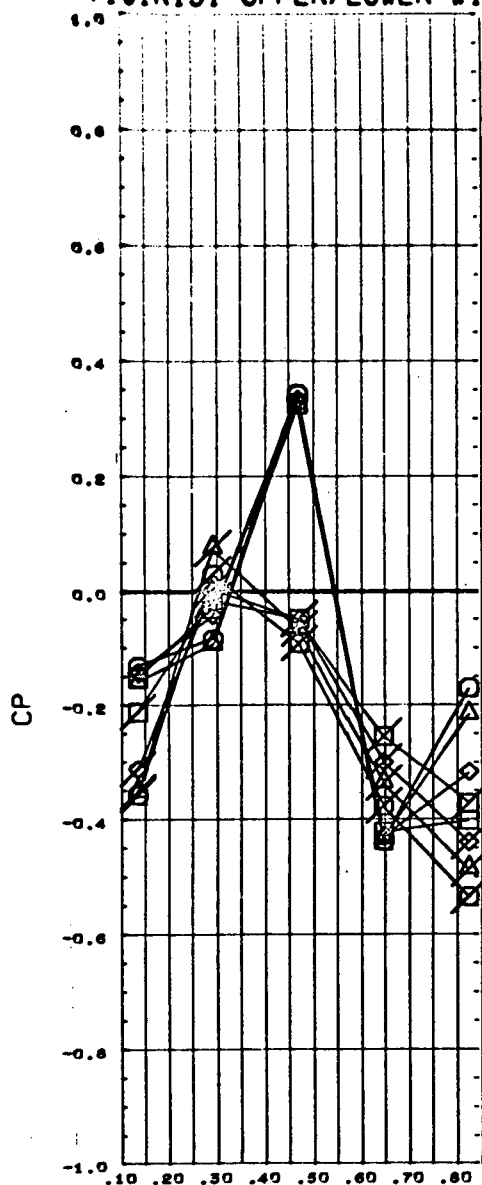


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	1.103
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67007) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67007) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

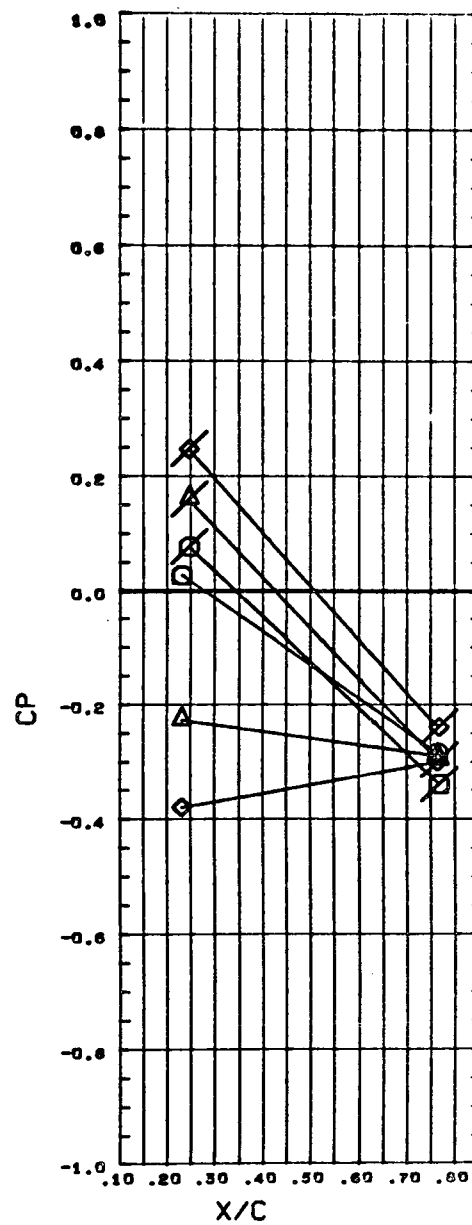
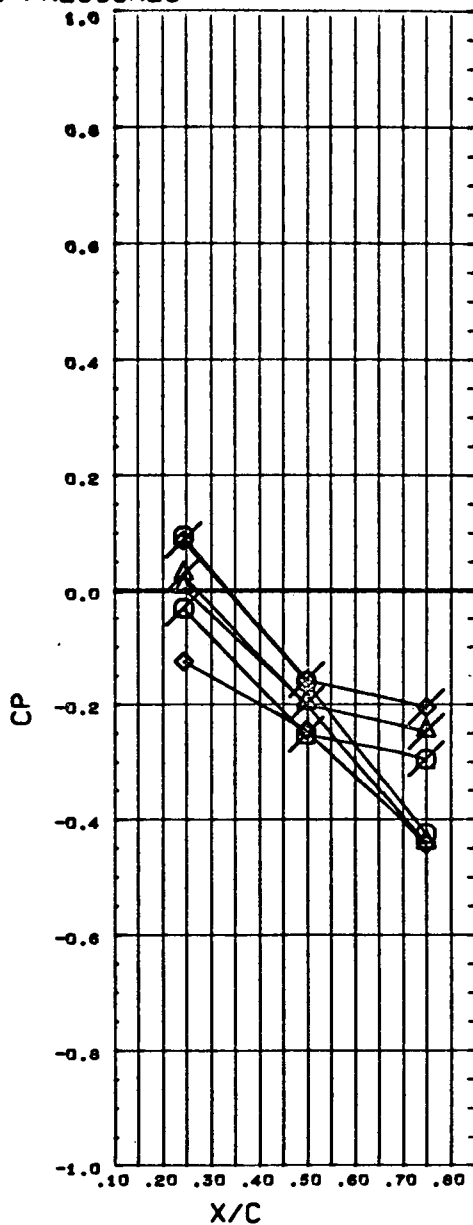
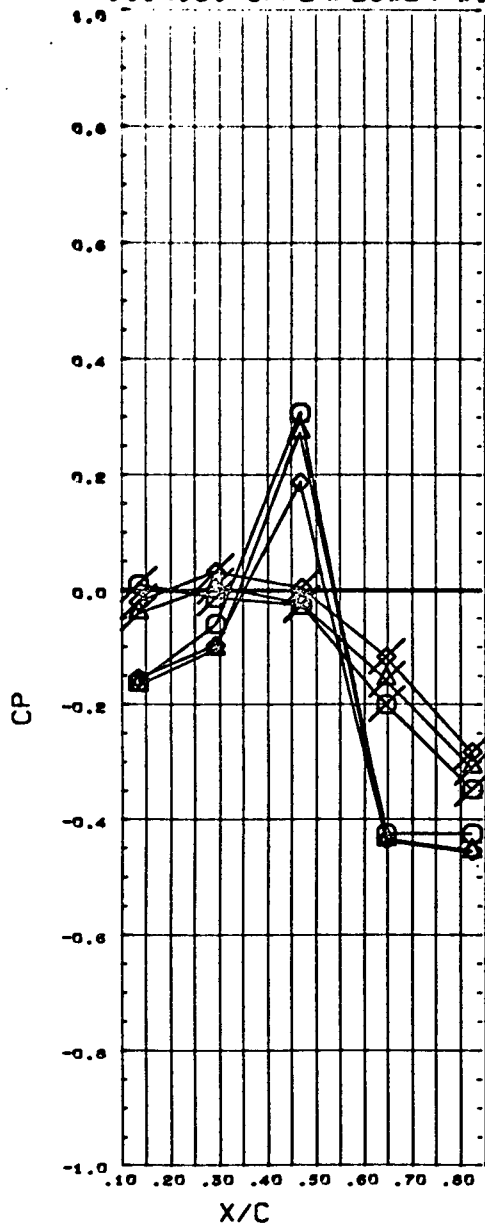


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.200
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67007) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67007) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

PARAMETRIC VALUES
 BETA 0.000 ORBINC - 1.500
 SANGLE 21.000

T101R1S1 UPPER/LOWER WING PRESSURES

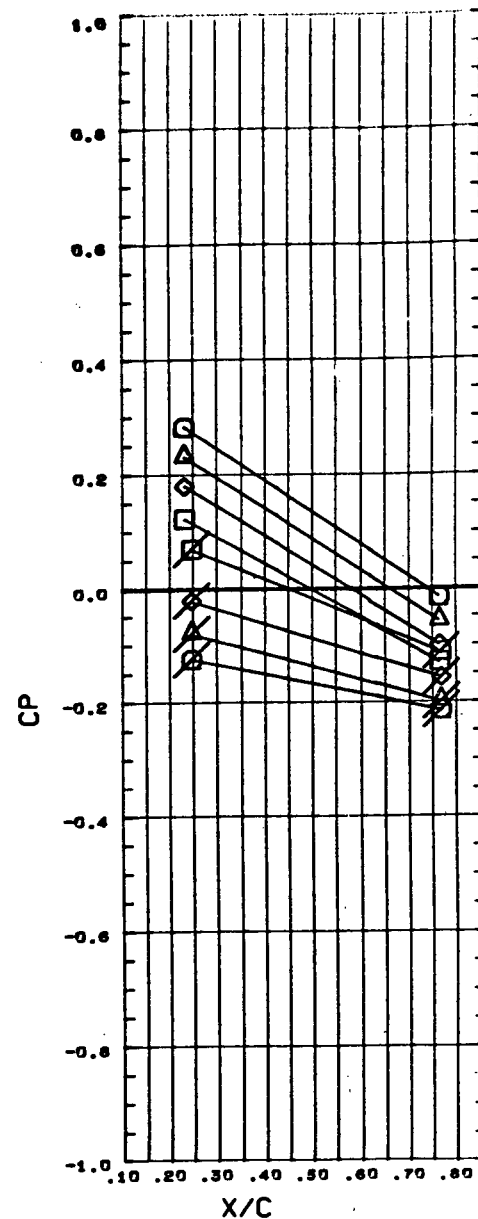
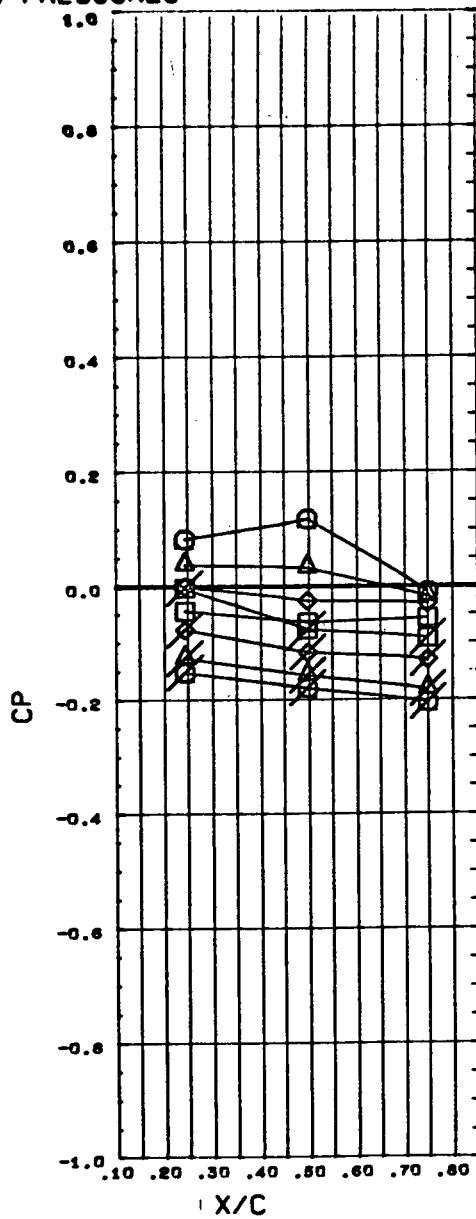
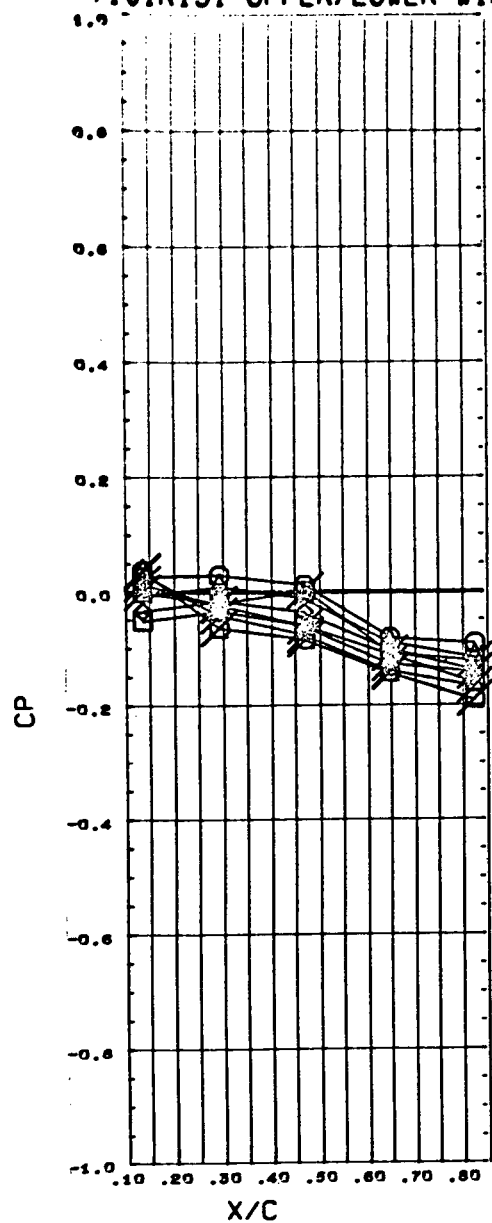


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	1.200
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES		
BETA	0.000	ORBINC - 1.500
SANGLE	21.000	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67007) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67007) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

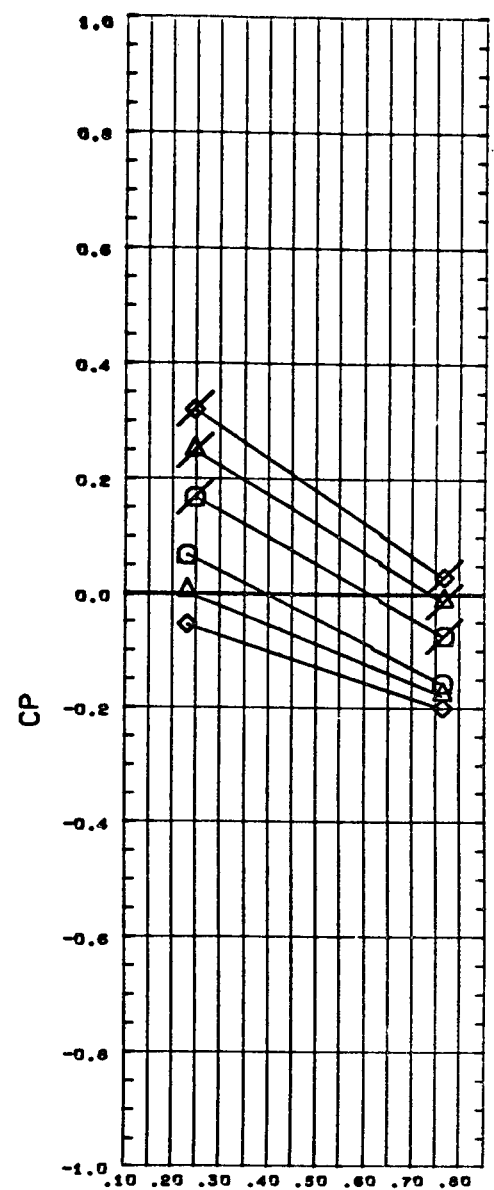
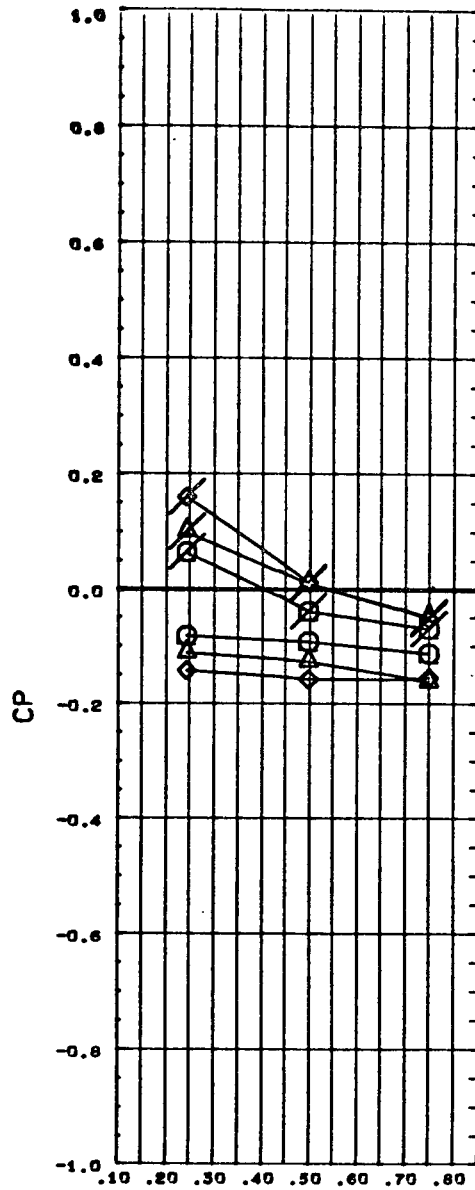
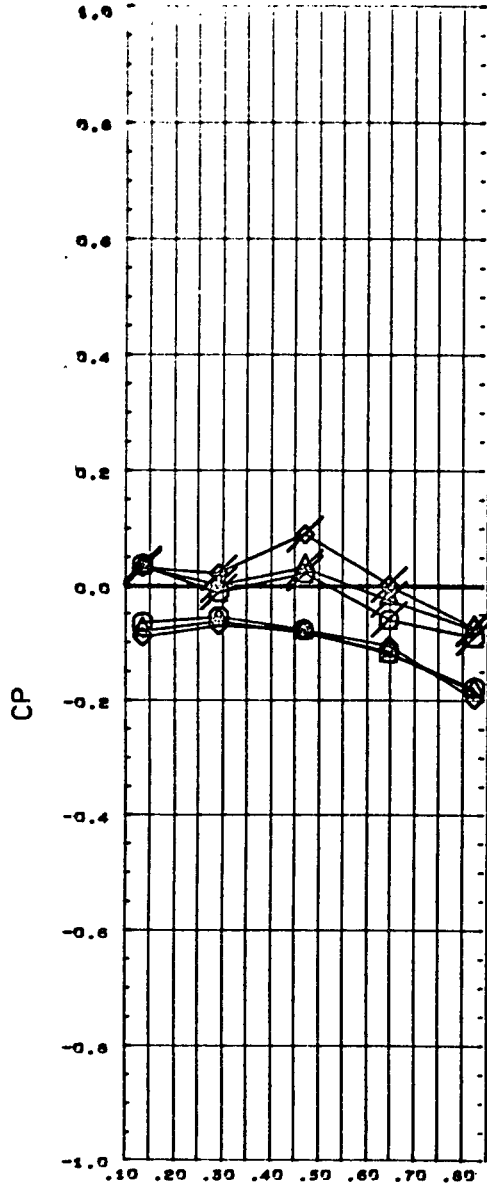


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.961
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(867007)	OPEN	MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
(C67007)	FLAGGED	MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

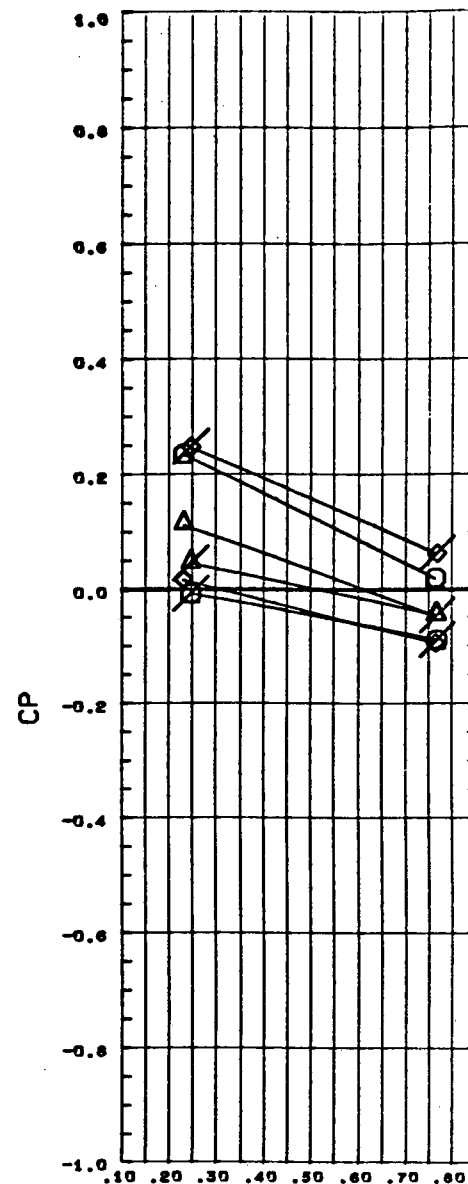
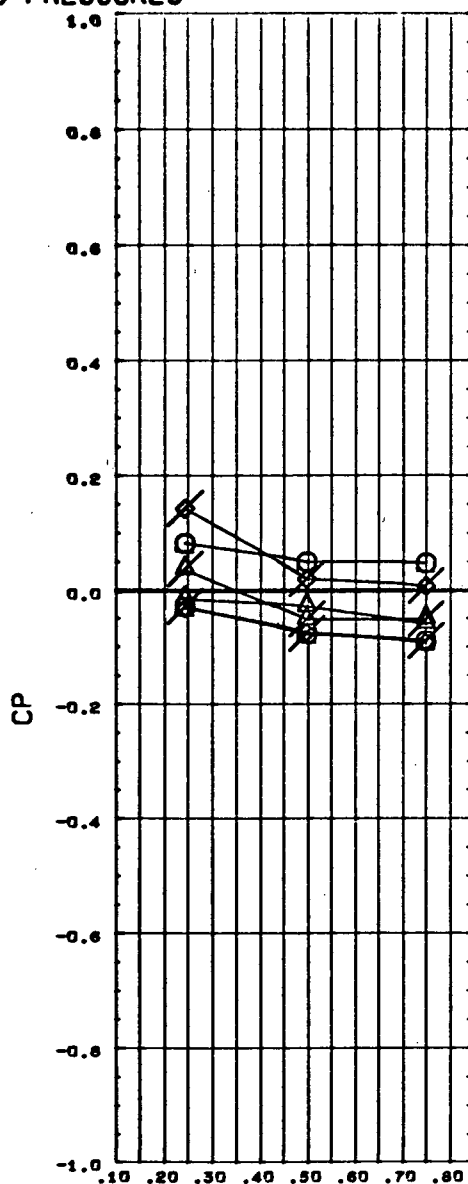
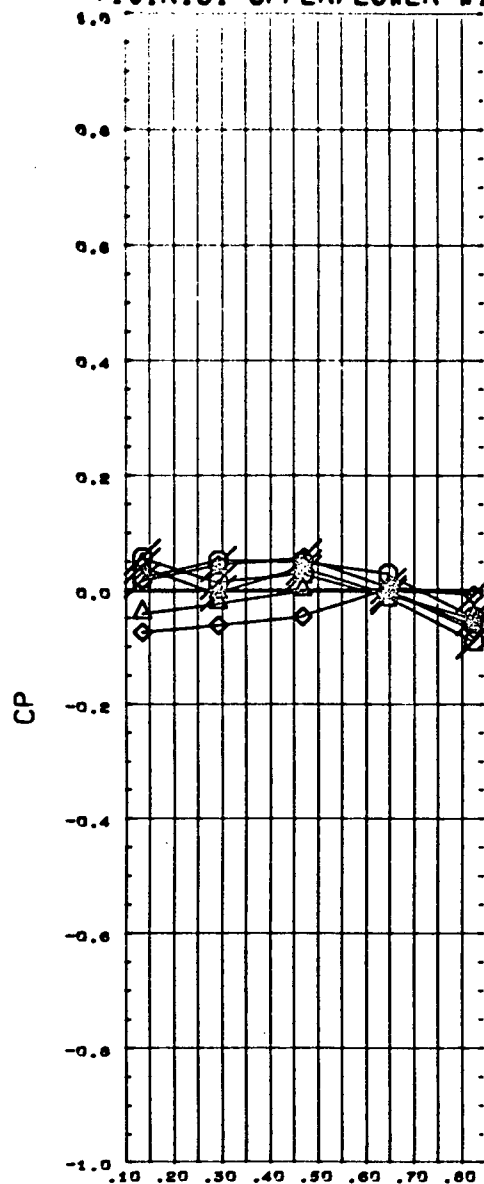


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	1.961
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(867007)	OPEN	MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
(C67007)	FLAGGED	MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

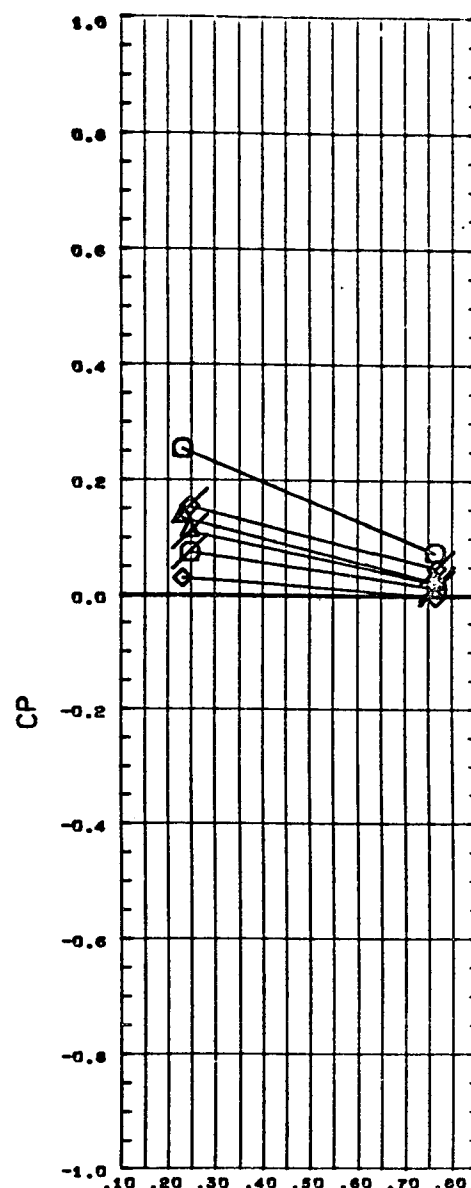
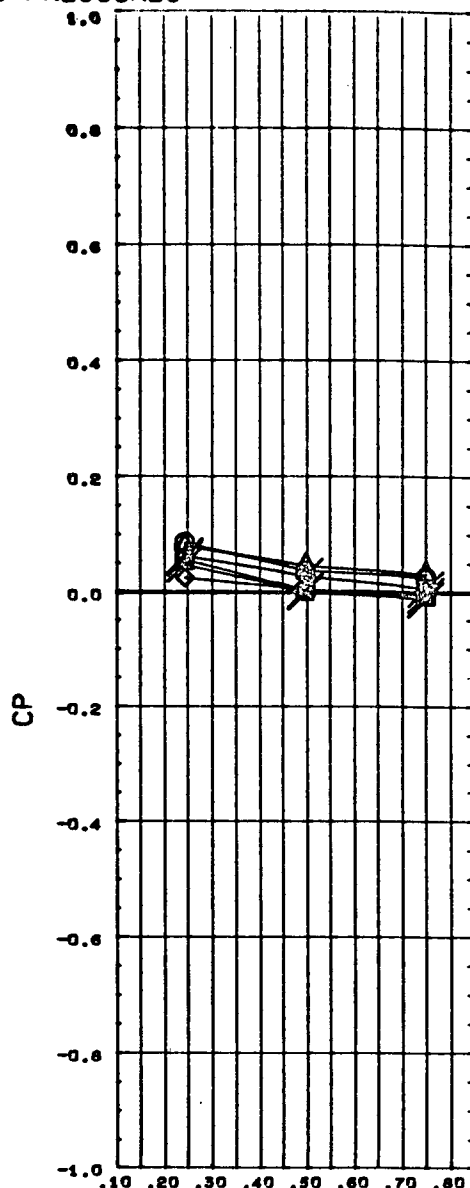
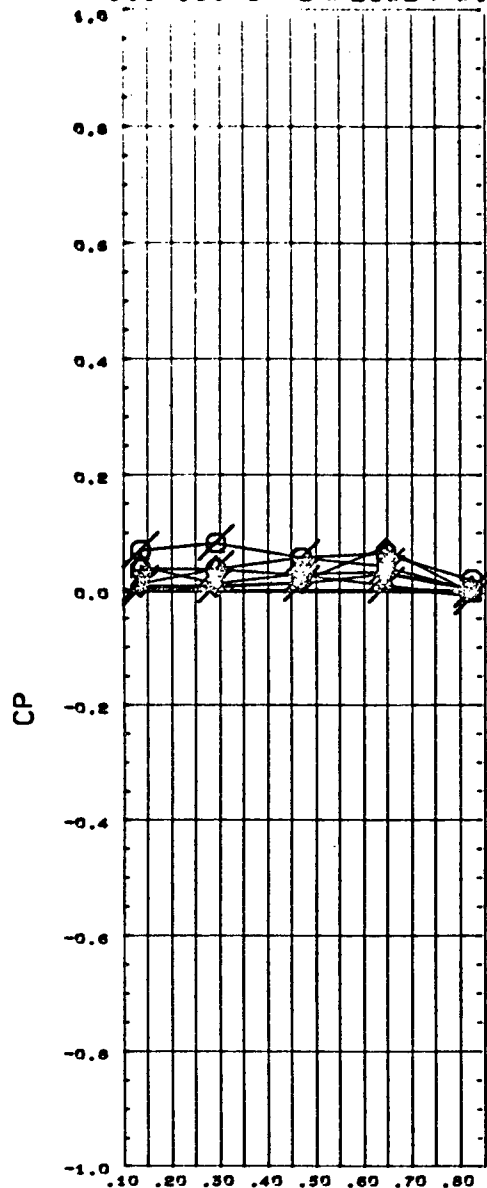


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	2.740
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67008) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67008) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

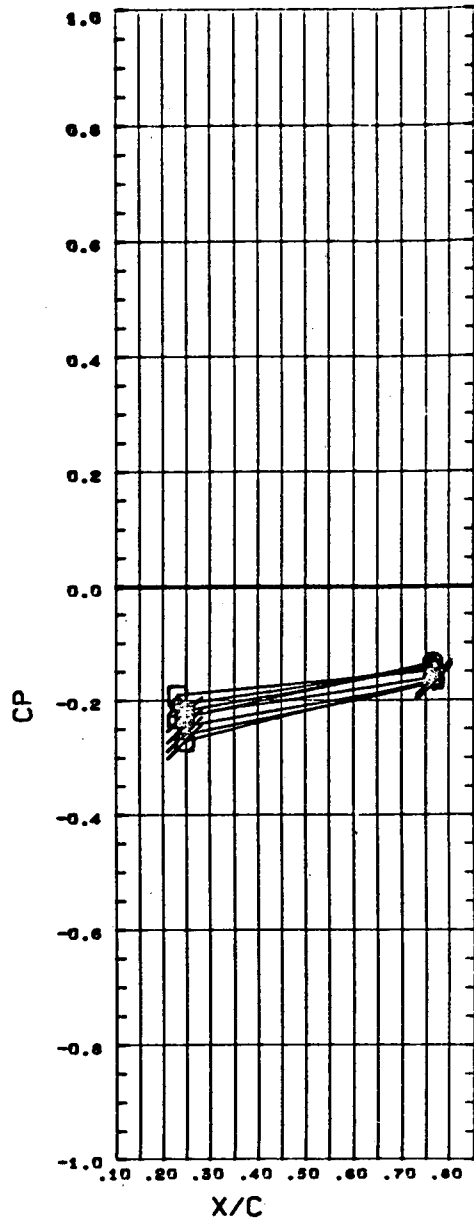
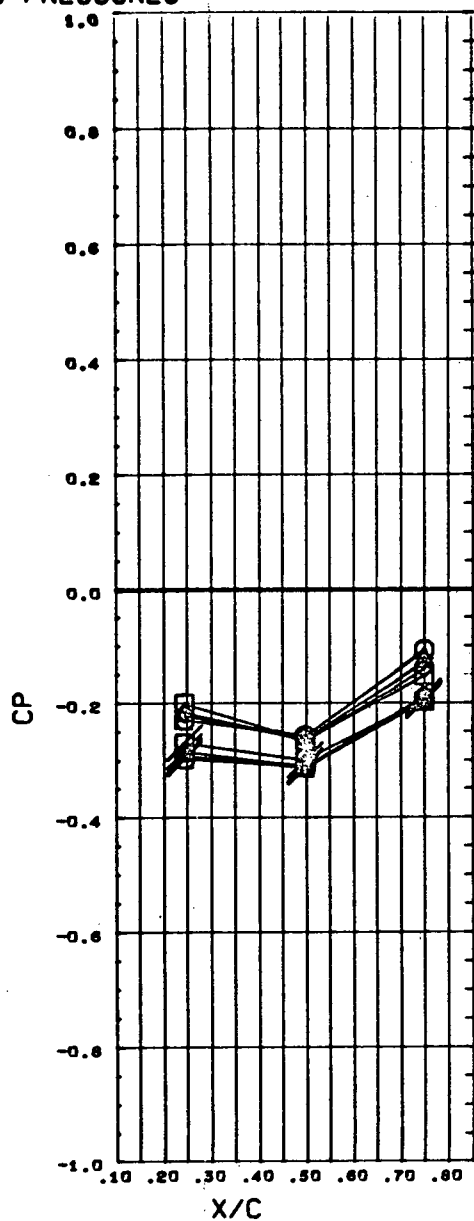
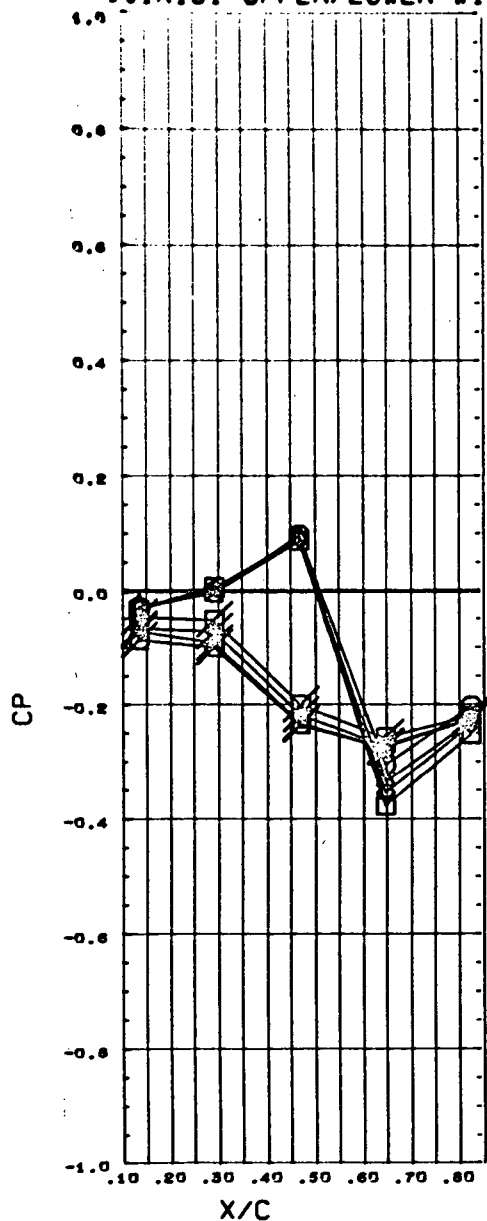


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	4.960
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
BETA	0.000 ORBINC - 1.500
SANGLE	21.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67008)	OPEN	MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
(C67008)	FLAGGED	MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

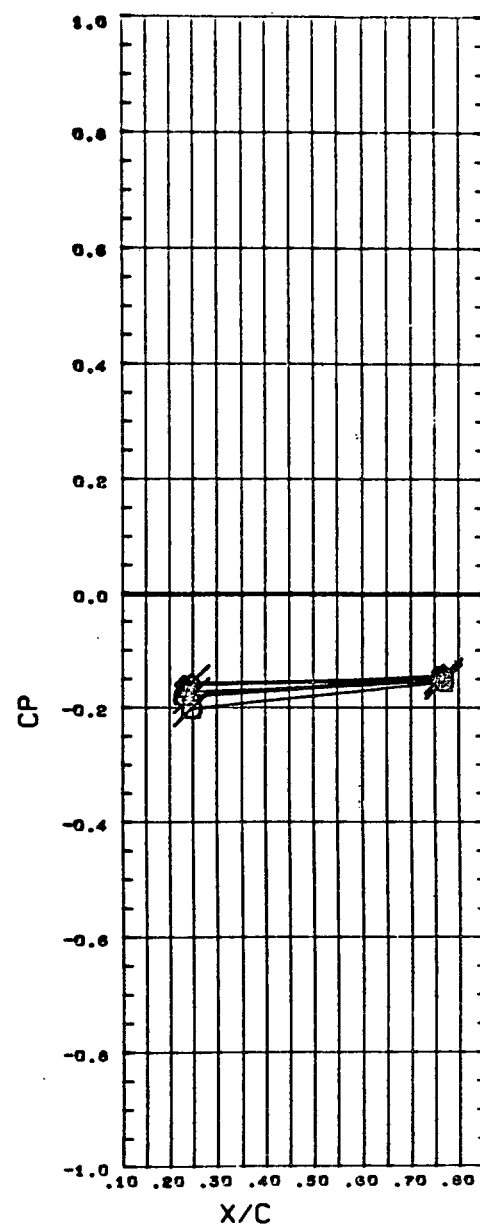
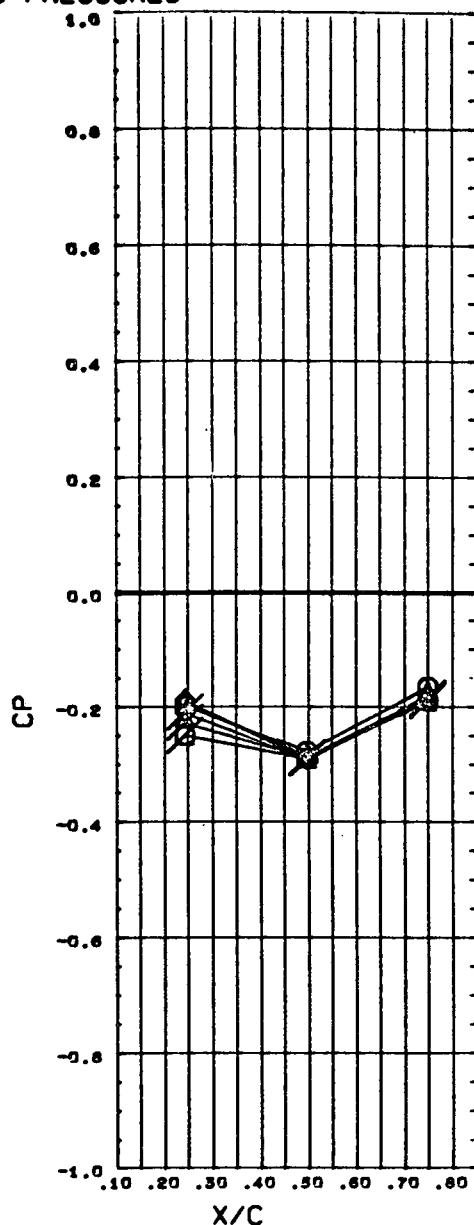
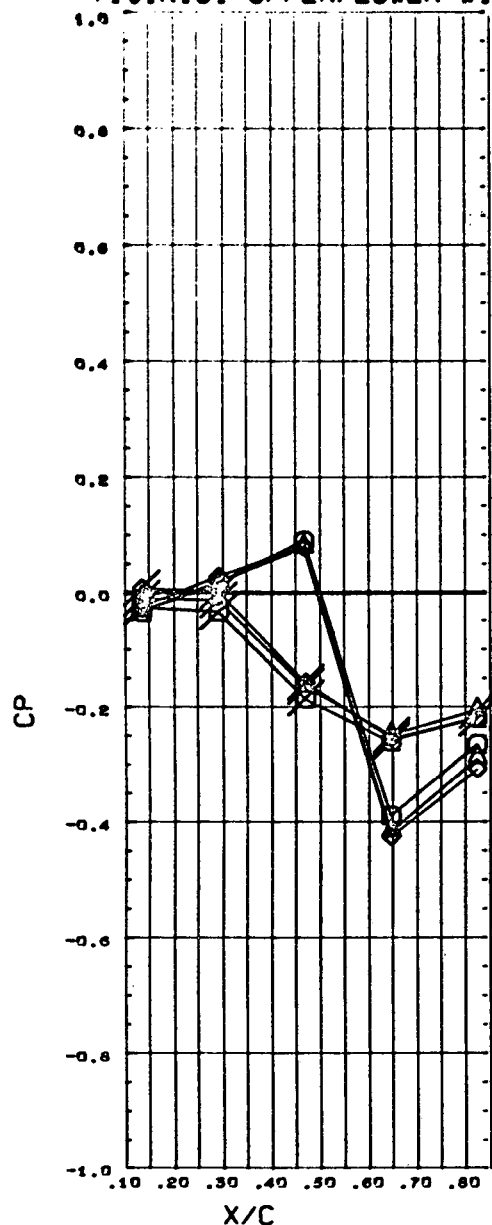


SYMBOL	BETA	Y/B	MACH
◻	6.000	0.290	0.599
◊	4.000	0.560	
△	2.000	0.845	
○	0.000		

PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500
SANGLE	21.000	

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67009)	OPEN	MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
(C67009)	FLAGGED	MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

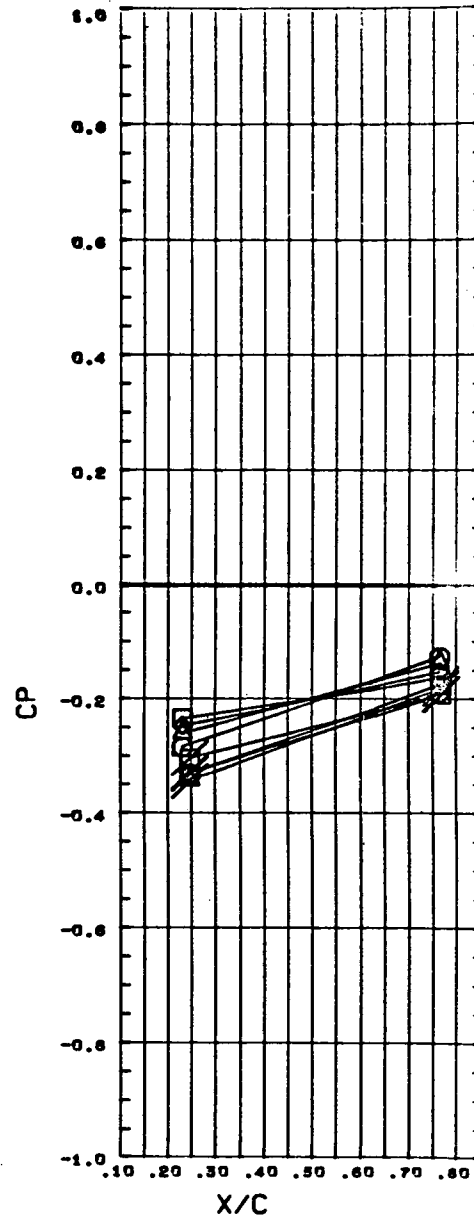
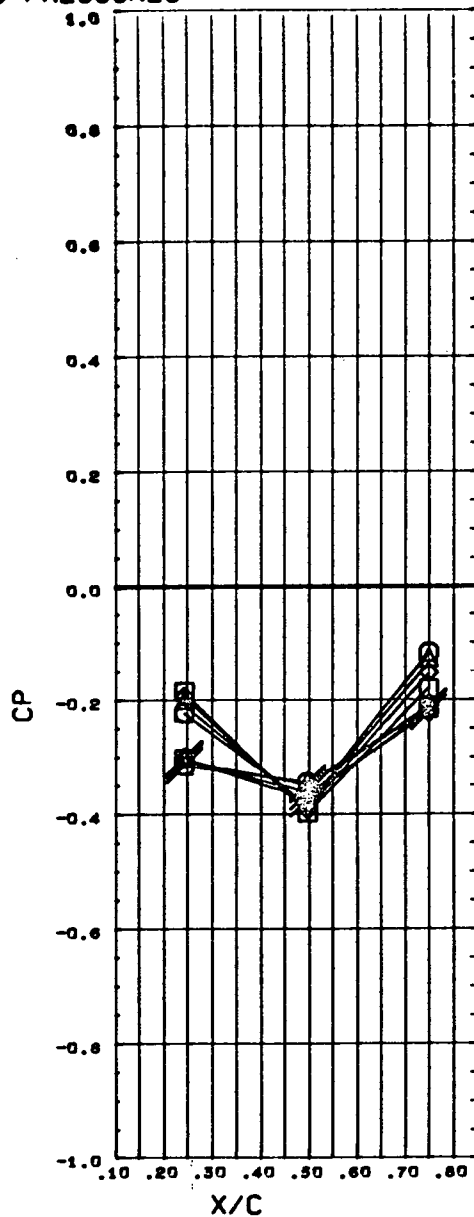
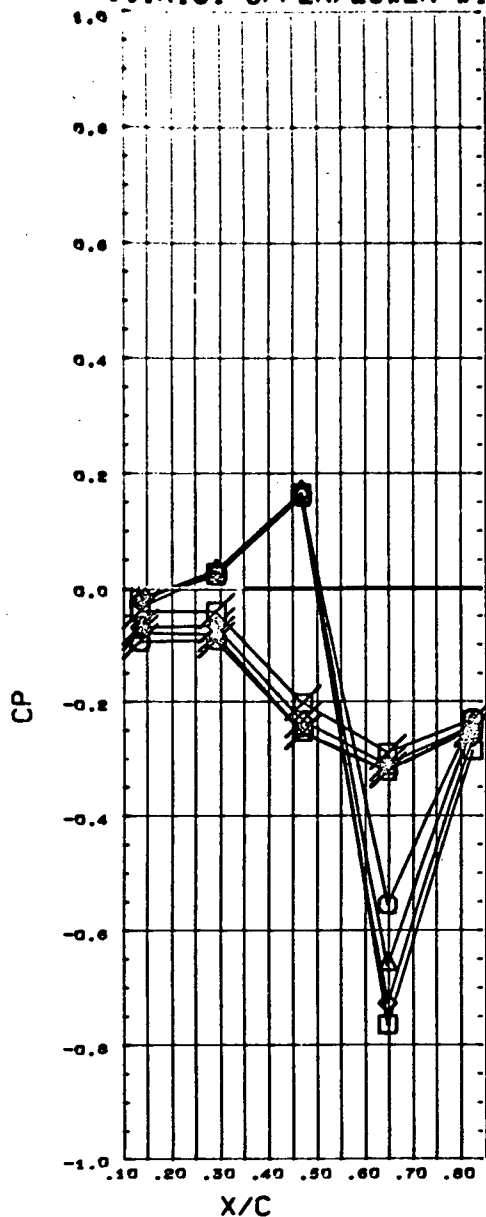


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	0.599
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500
SANGLE	21.000	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67009) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67009) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

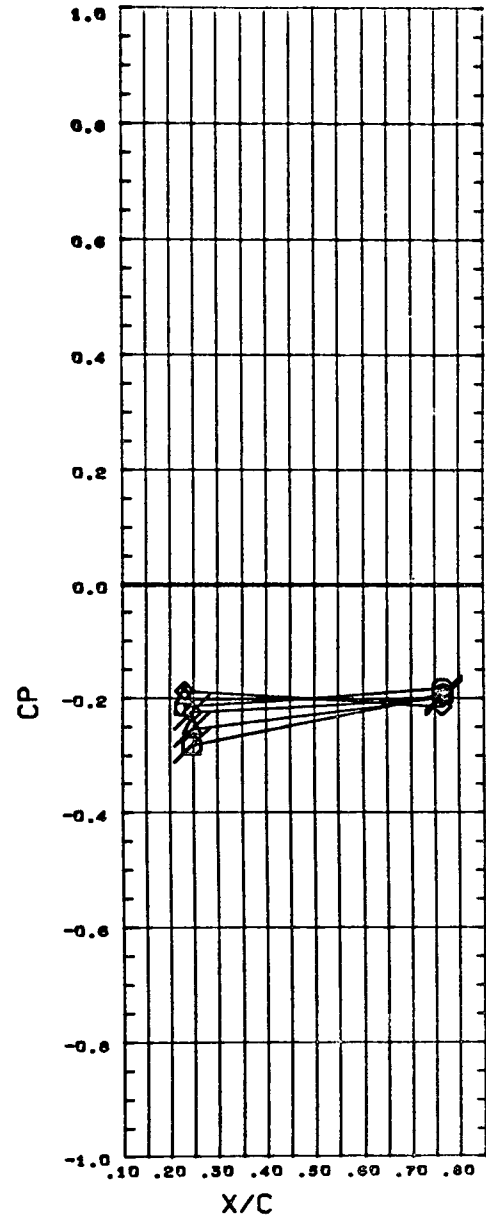
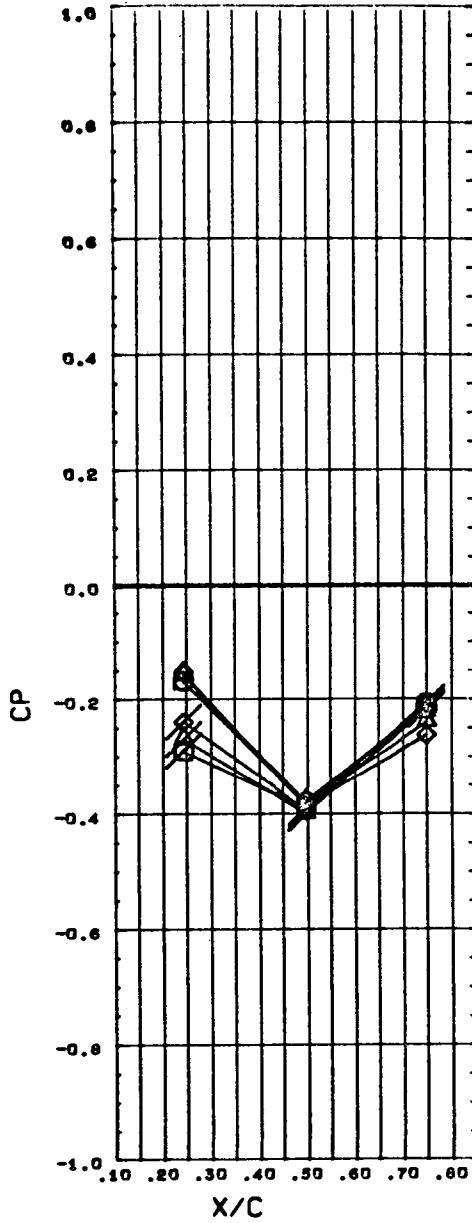
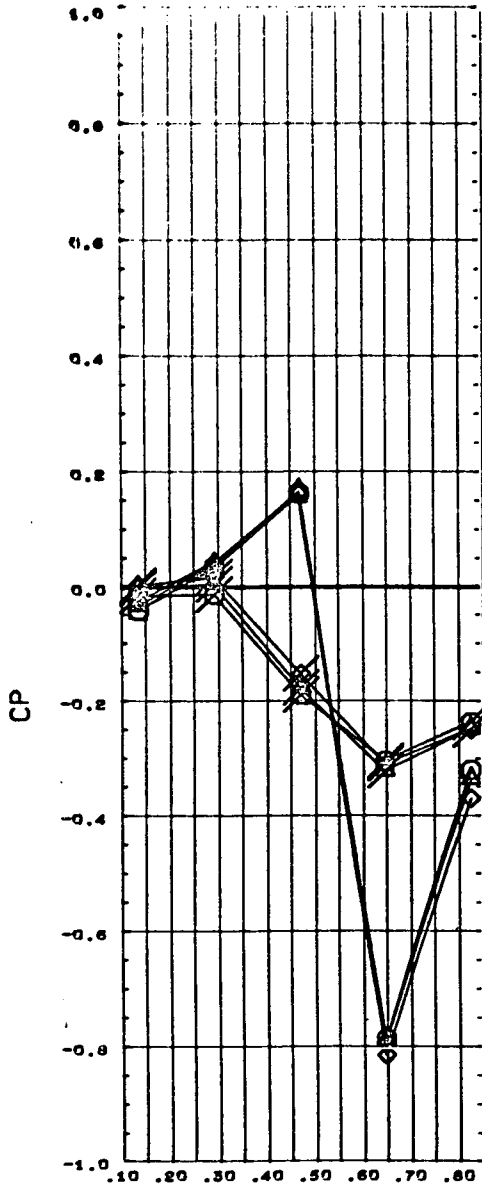


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	0.894
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (867009) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67009) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.500
 SANGLE 21.000

T101R1S1 UPPER/LOWER WING PRESSURES

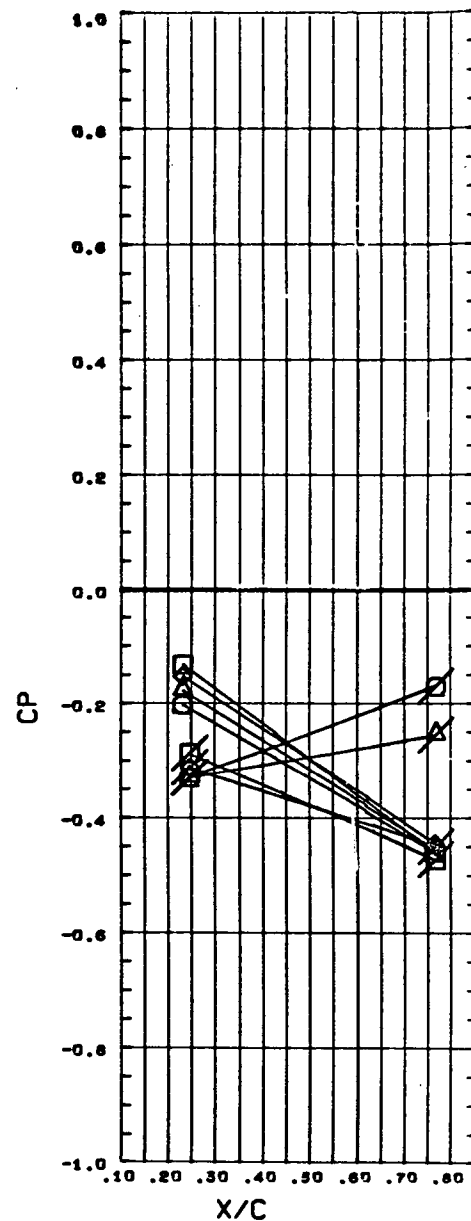
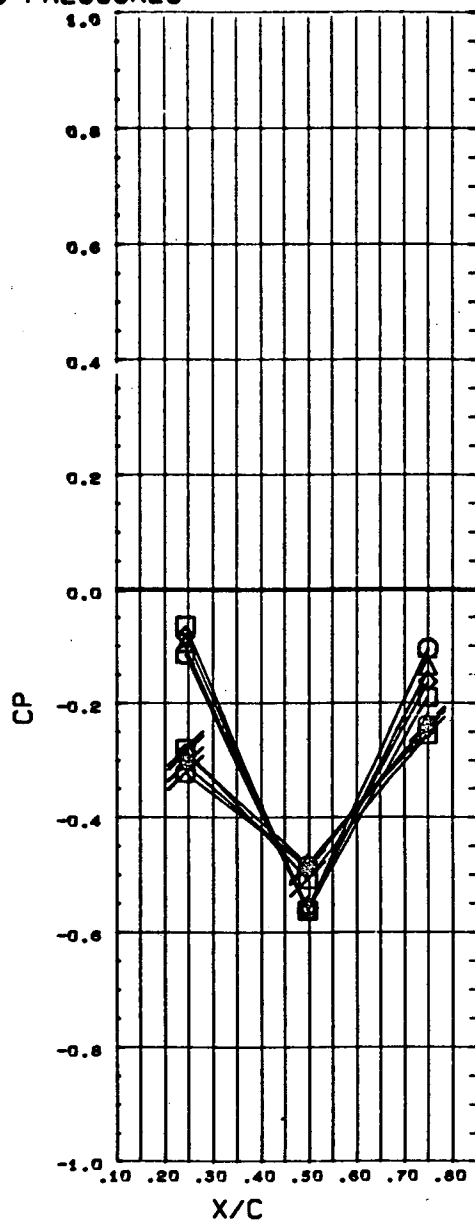
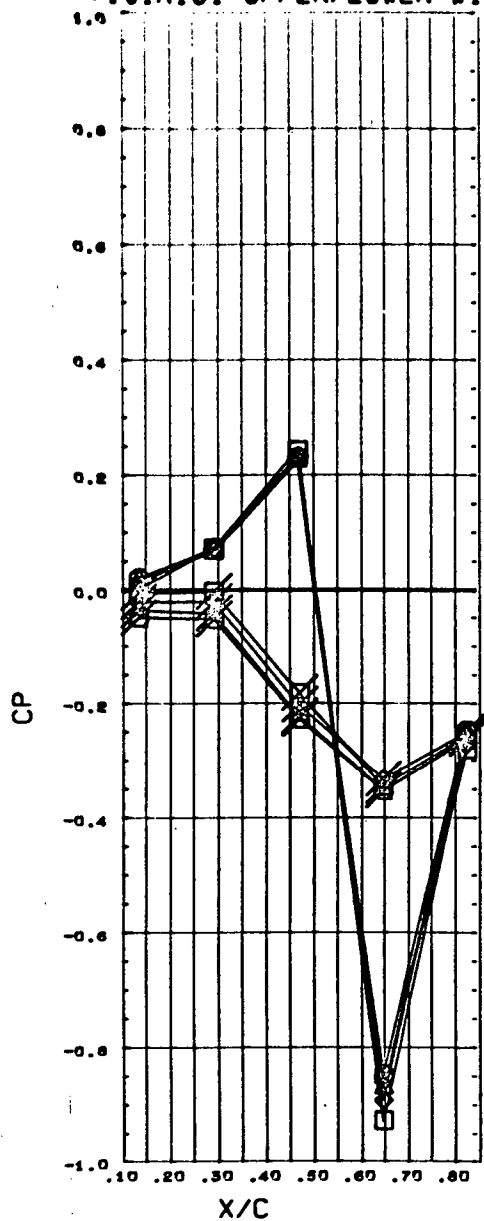


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	0.804
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500
SANGLE	21.000	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67009) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67009) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

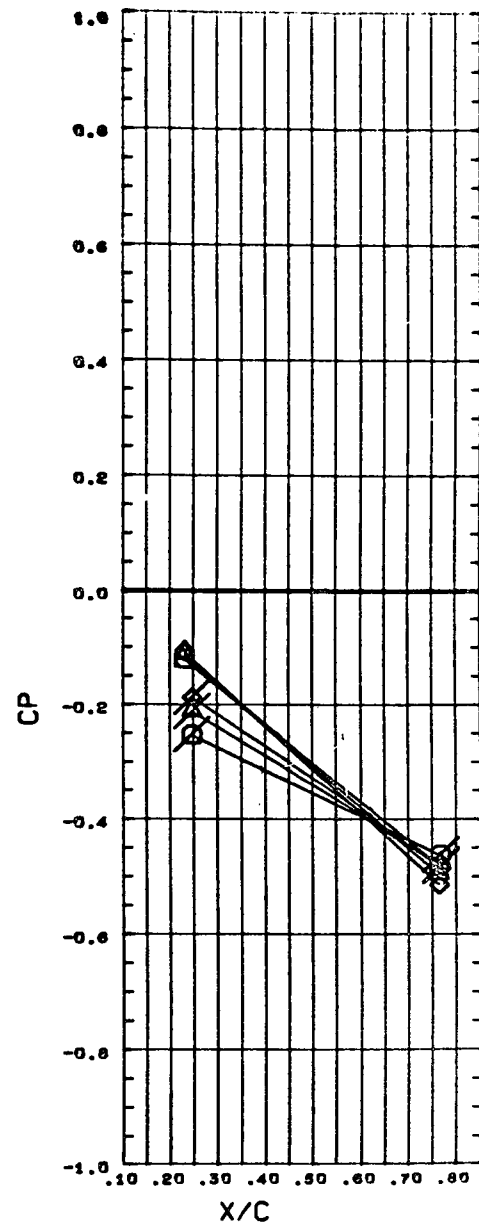
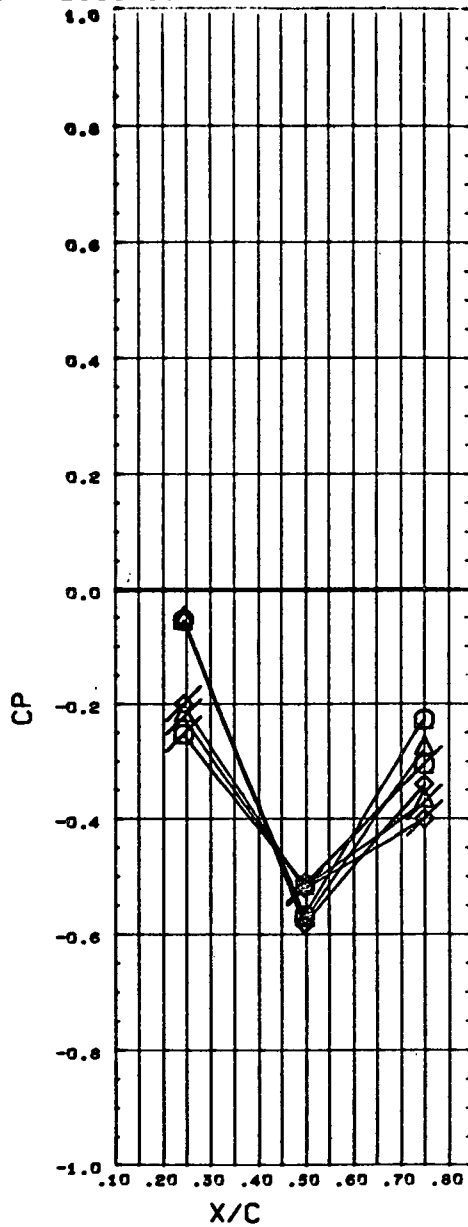
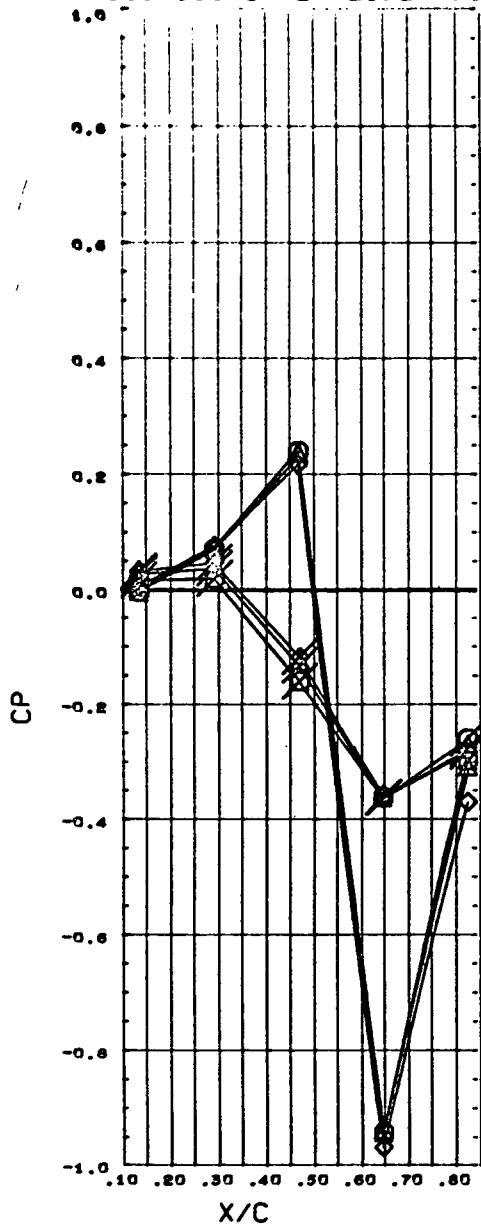


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	0.904
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.900
SANGLE	21.000	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67009) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67009) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

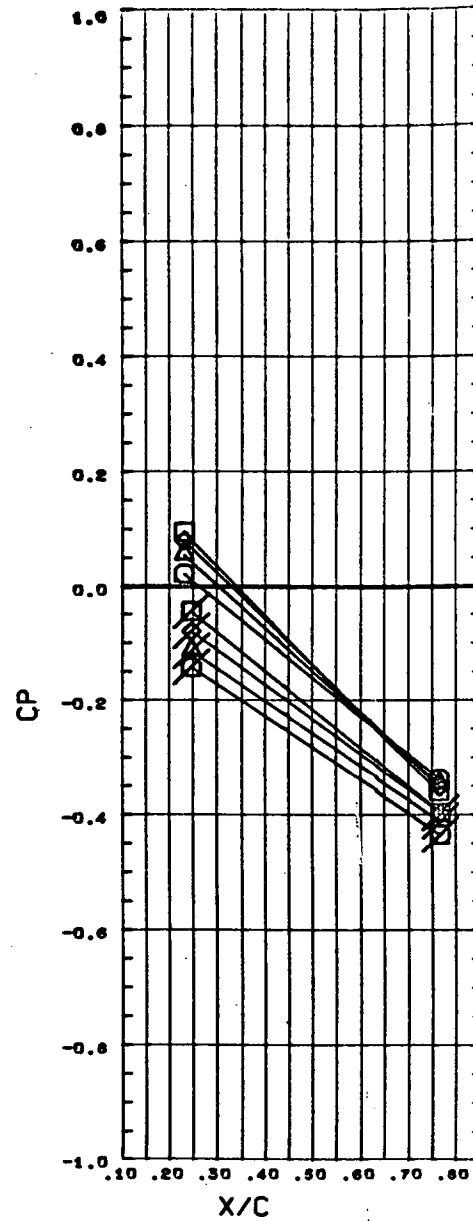
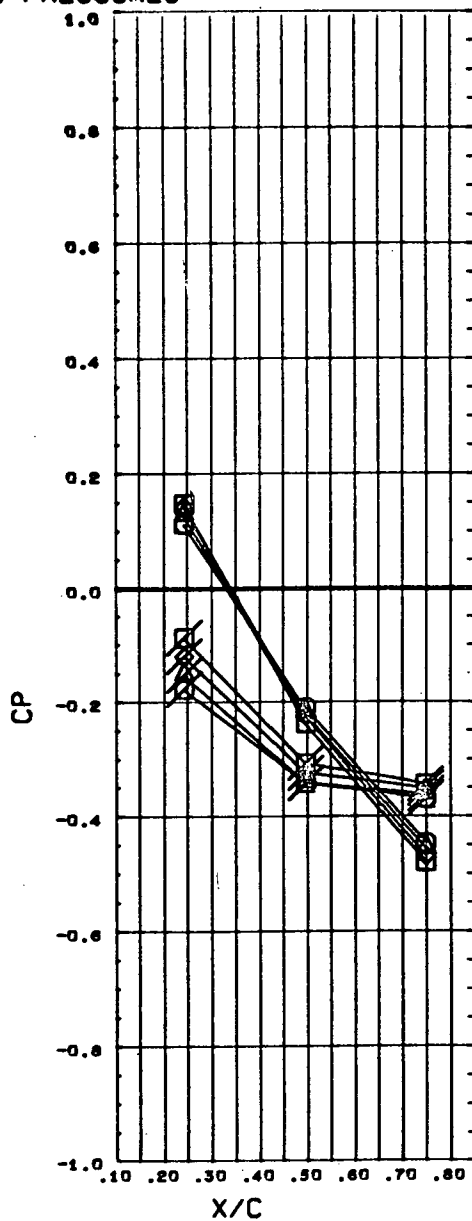
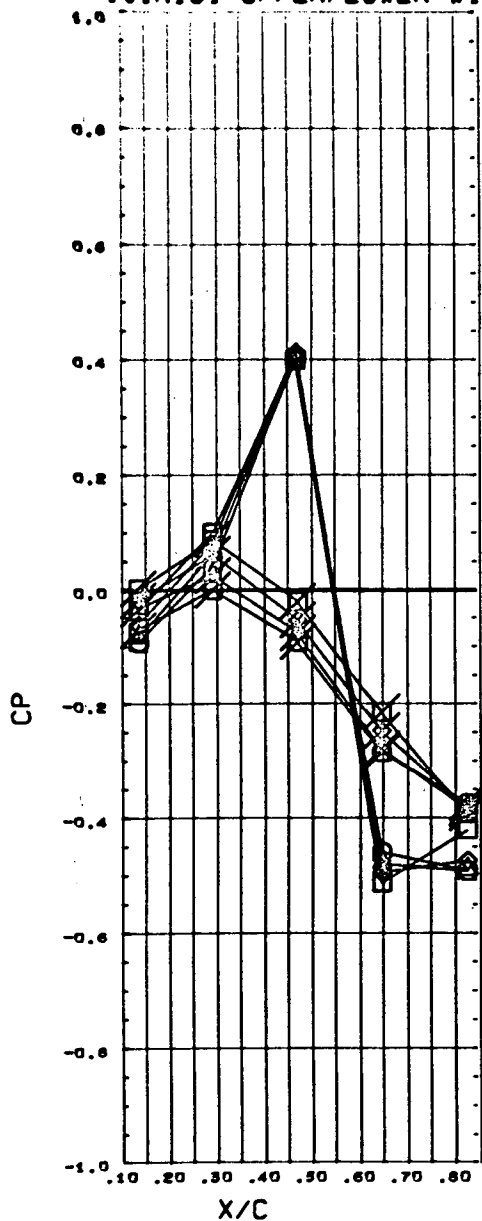


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	0.904
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500
SANGLE	21.000	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67009) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67009) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

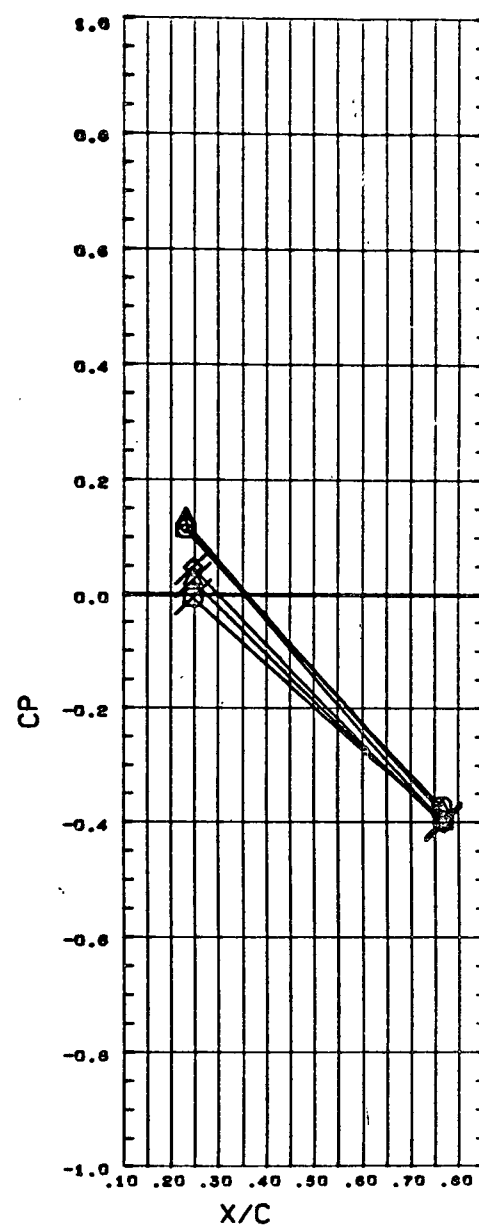
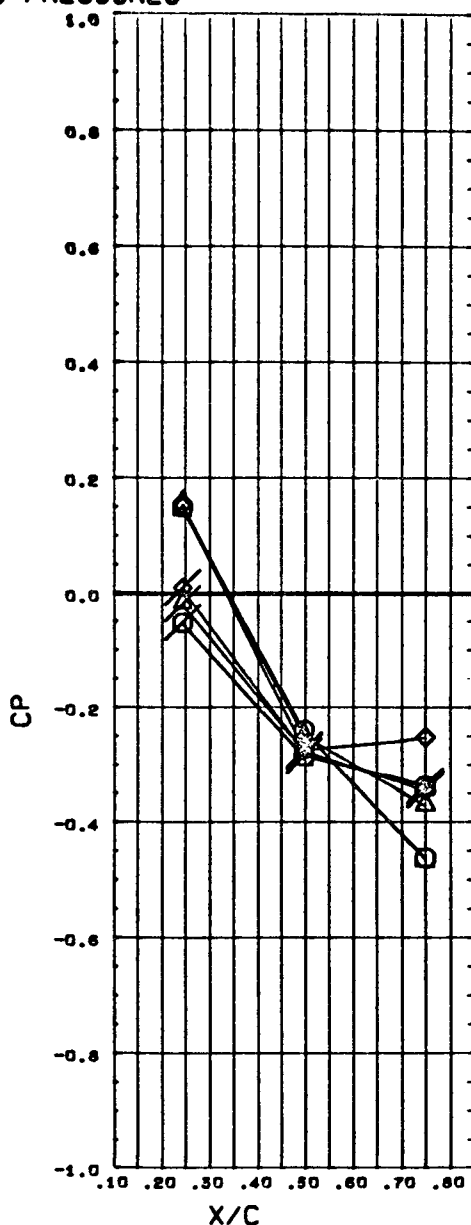
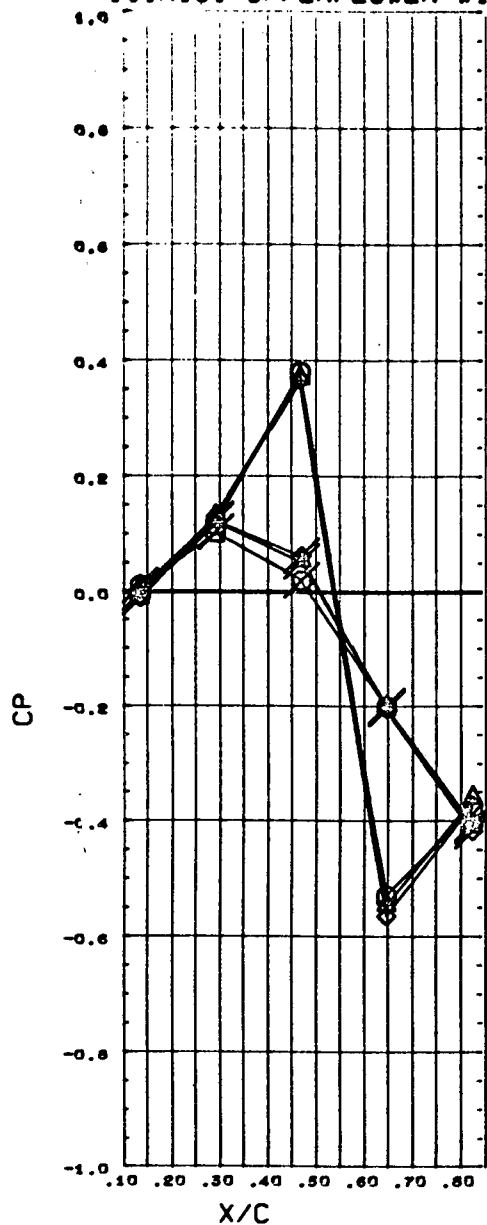


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	1.103
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67009) OPEN MSFC TWT 547 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67009) FLAGGED MSFC TWT 547 LNCH PRESSURES T101R1S1 (LOWER WING)

PARAMETRIC VALUES
 ALPHA 0.000 ORBINC - 1.500
 SANGLE 21.000

T101R1S1 UPPER/LOWER WING PRESSURES

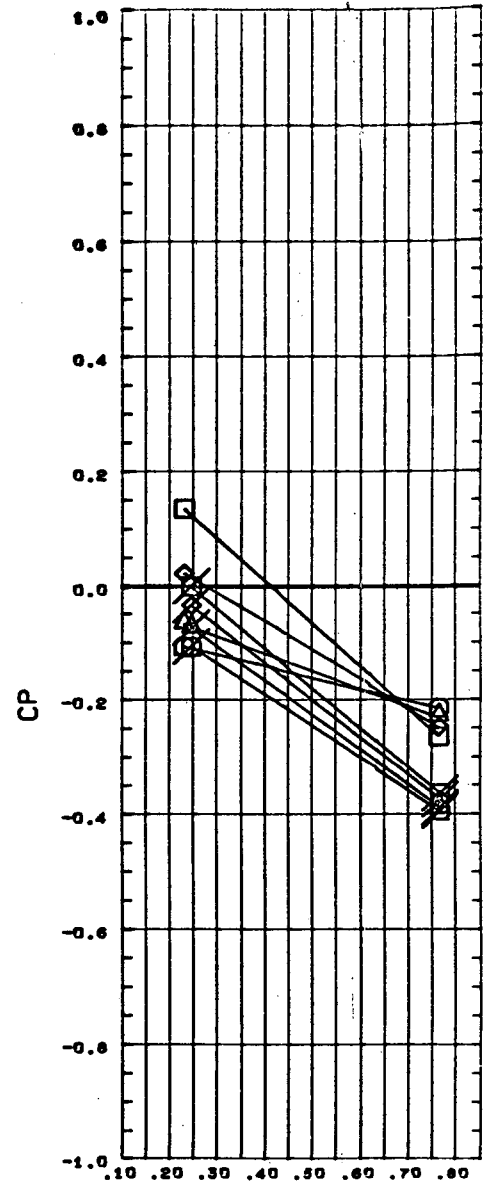
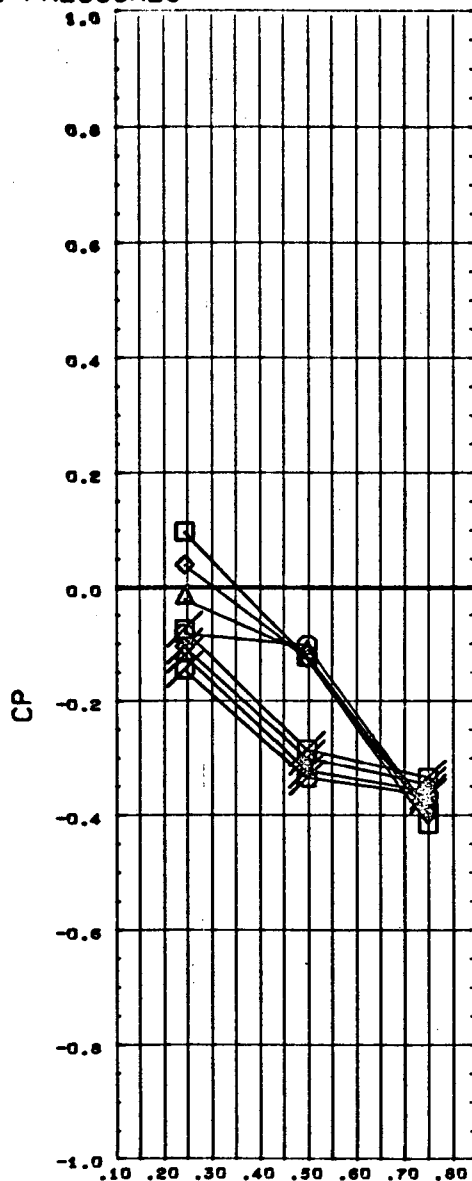
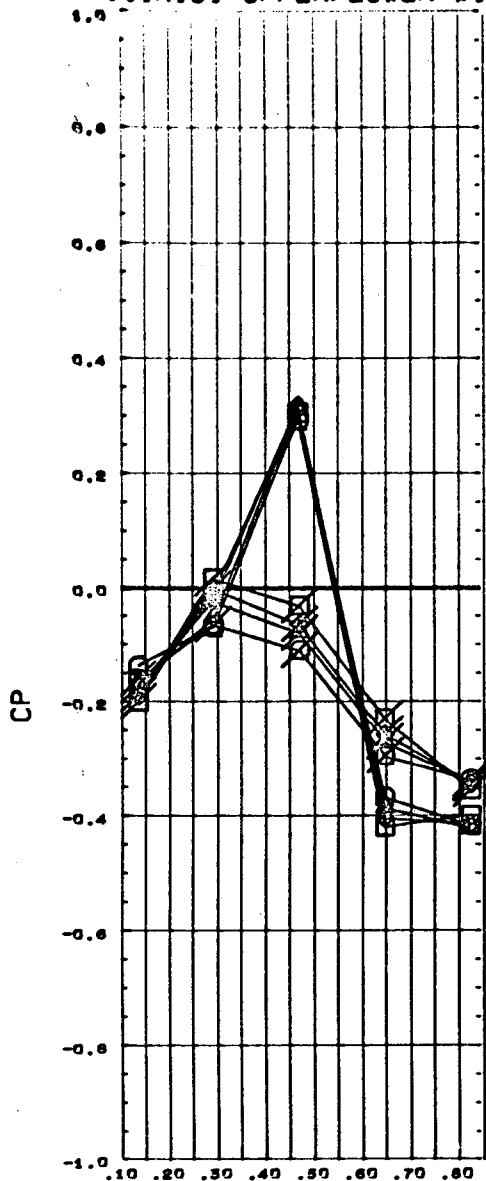


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	1.103
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES		
ALPHA	0.000	ORBINC - 1.500
SANGLE	21.000	

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67009)	OPEN	MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
(C67009)	FLAGGED	MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

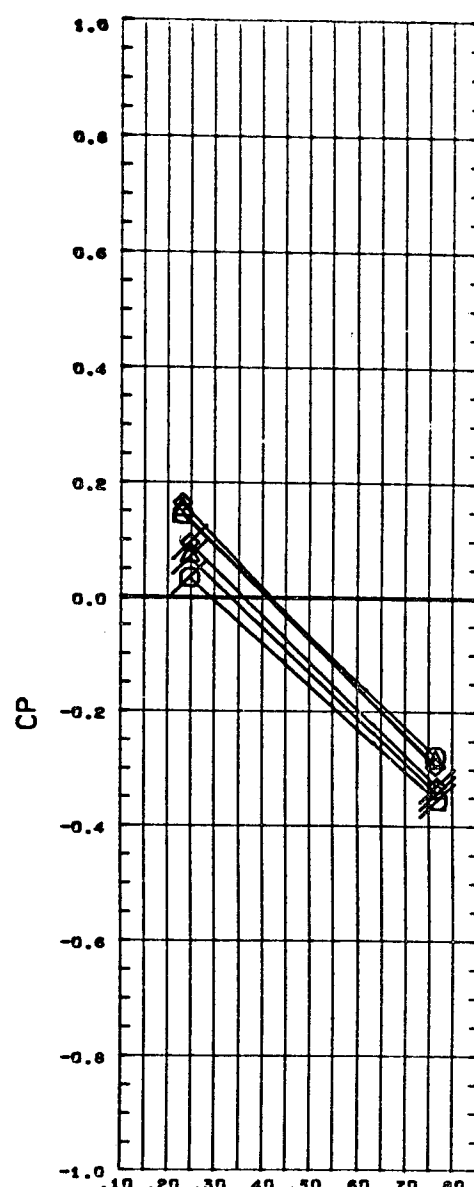
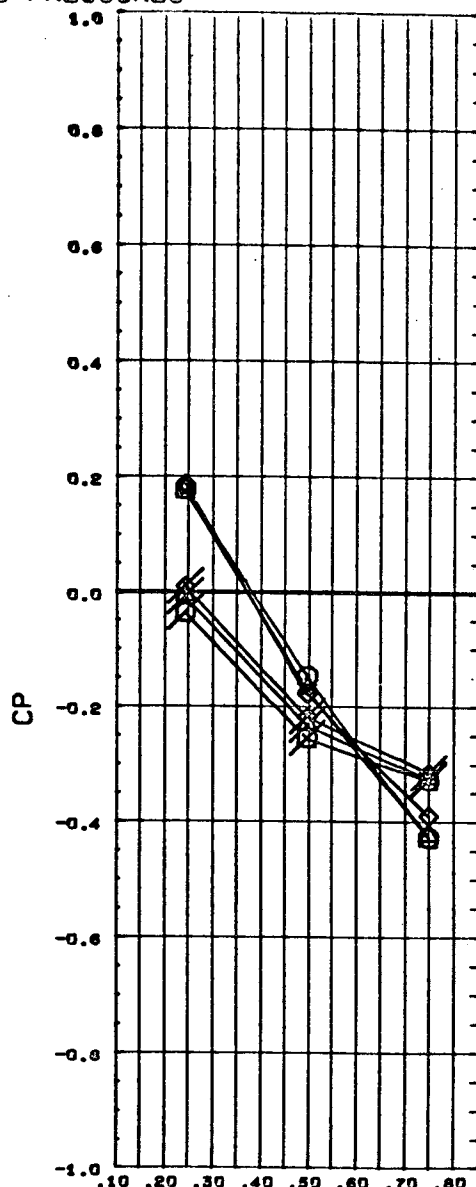
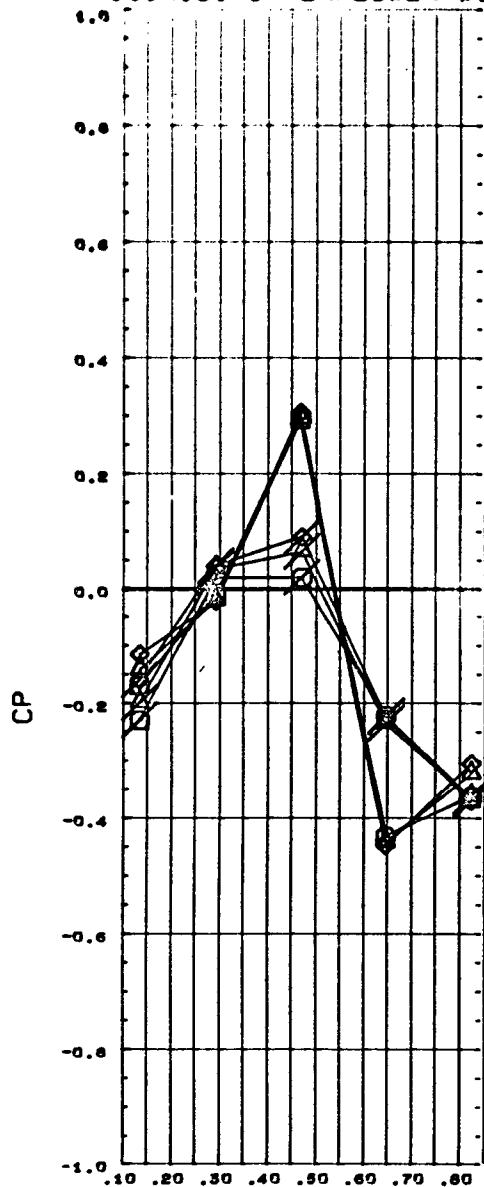


SYMBOL	BETA	Y/B	MACH
□	6.000	0.290	1.201
◇	4.000	0.560	
△	2.000	0.845	
○	0.000		

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(867009)	OPEN	MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
(C67009)	FLAGGED	MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

PARAMETRIC VALUES	
ALPHA	0.000
SANGLE	21.000
ORBINC	- 1.500

T101R1S1 UPPER/LOWER WING PRESSURES

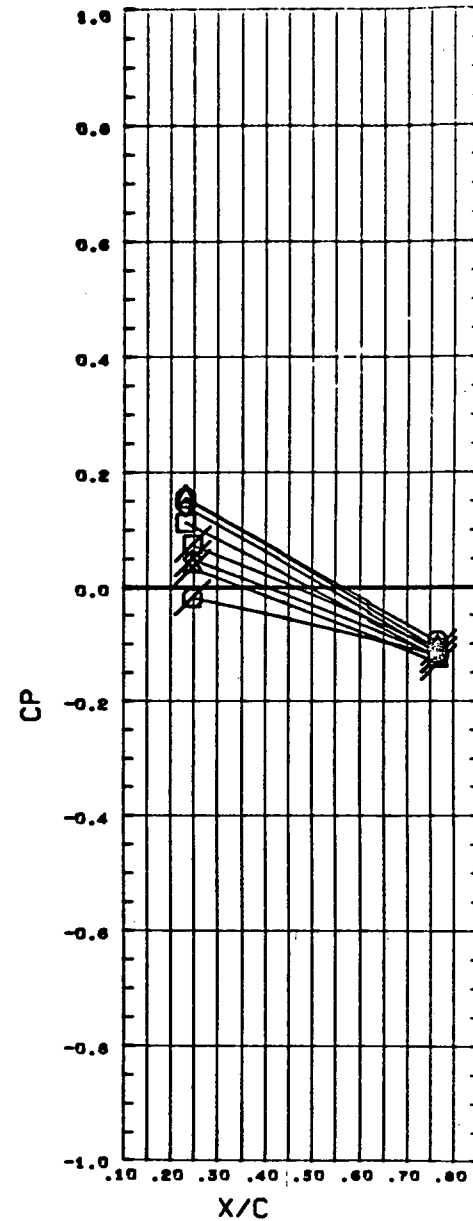
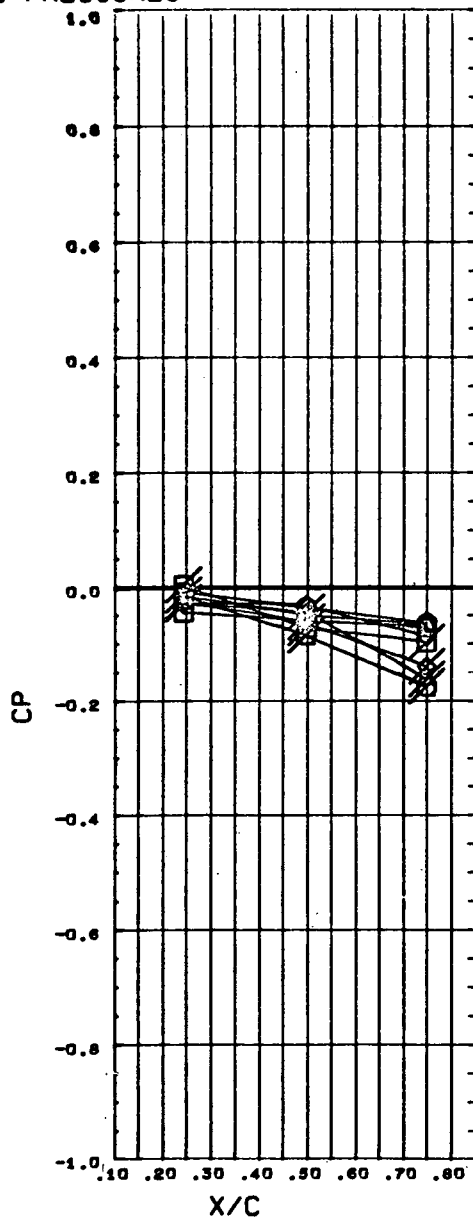
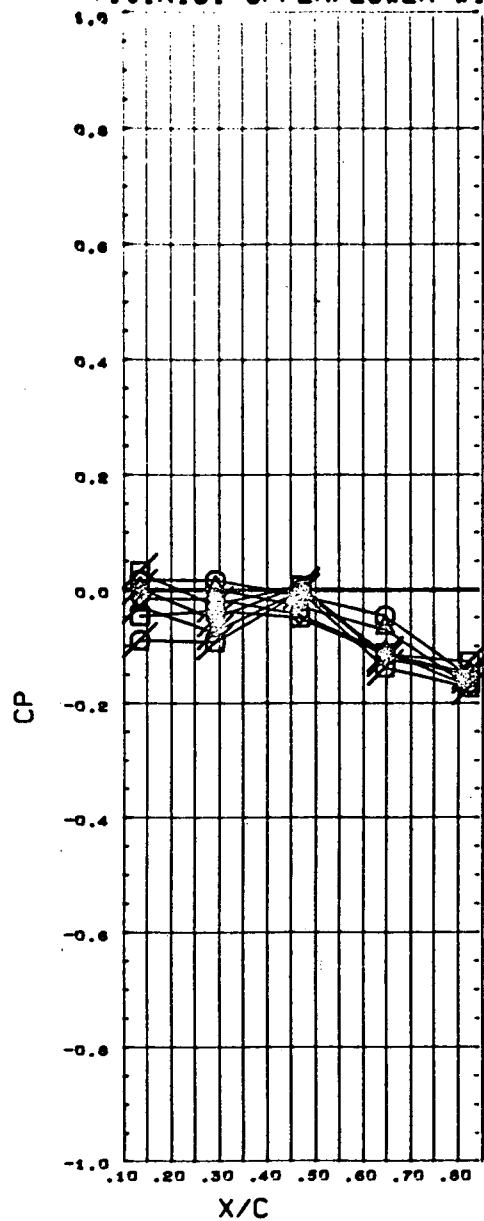


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	1.201
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
ALPHA	0.000
SANGLE	21.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67009)	OPEN	MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
(C67009)	FLAGGED	MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

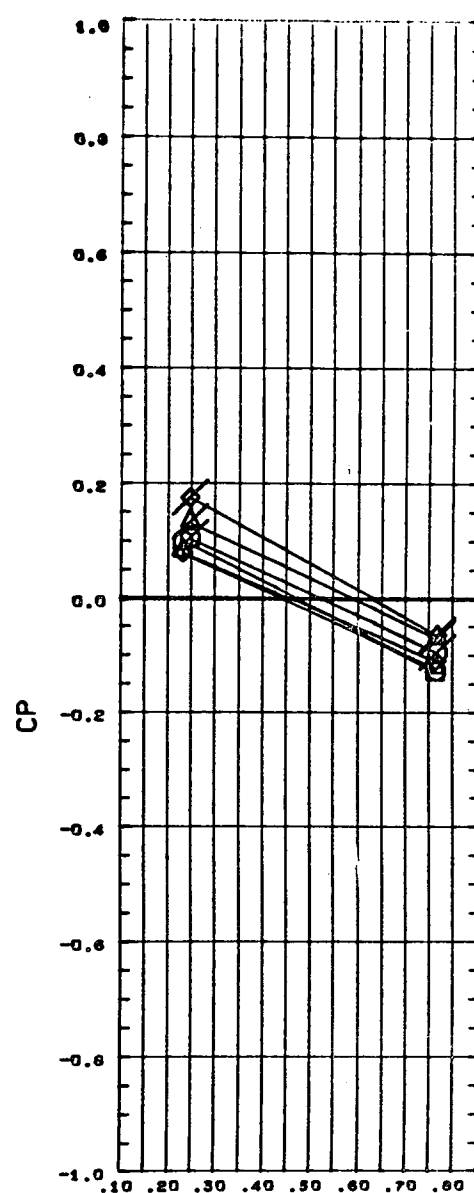
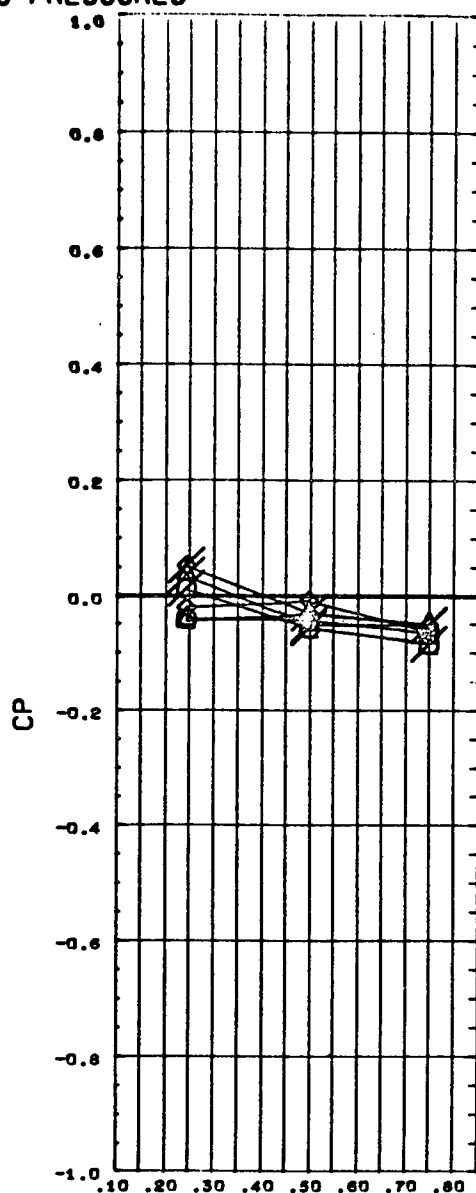
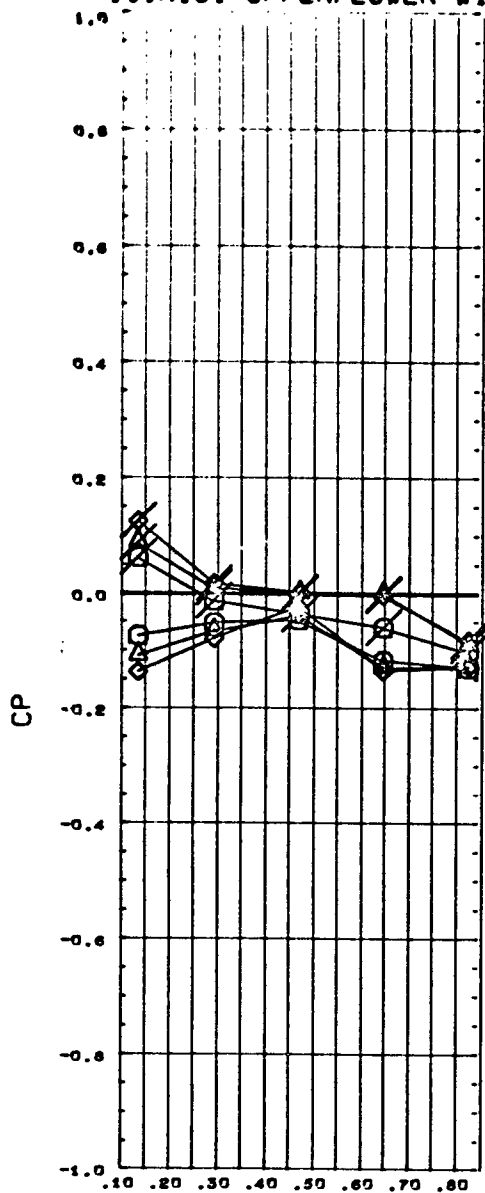


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	1.966
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

PARAMETRIC VALUES	
ALPHA	0.000
SANGLE	21.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (867009) OPEN NSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67009) FLAGGED NSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

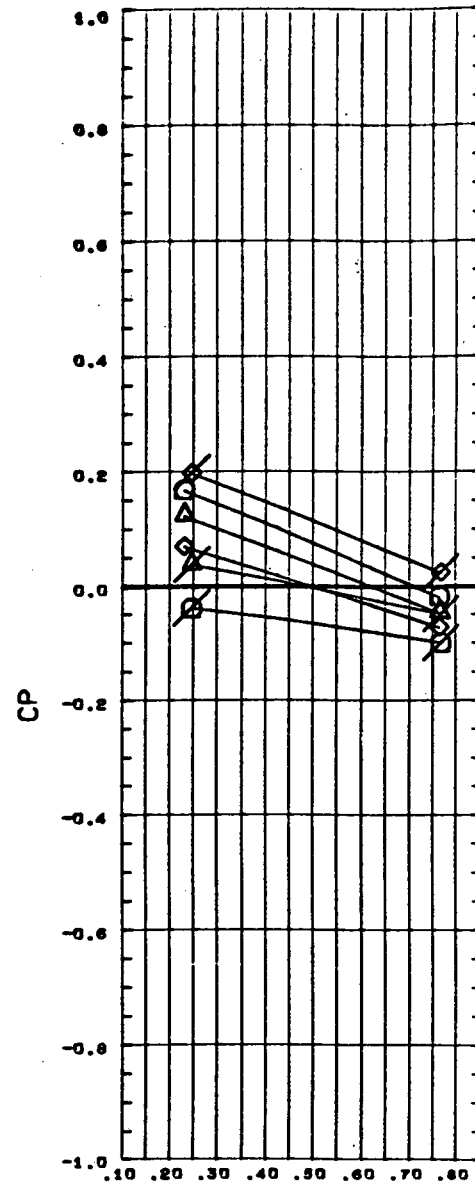
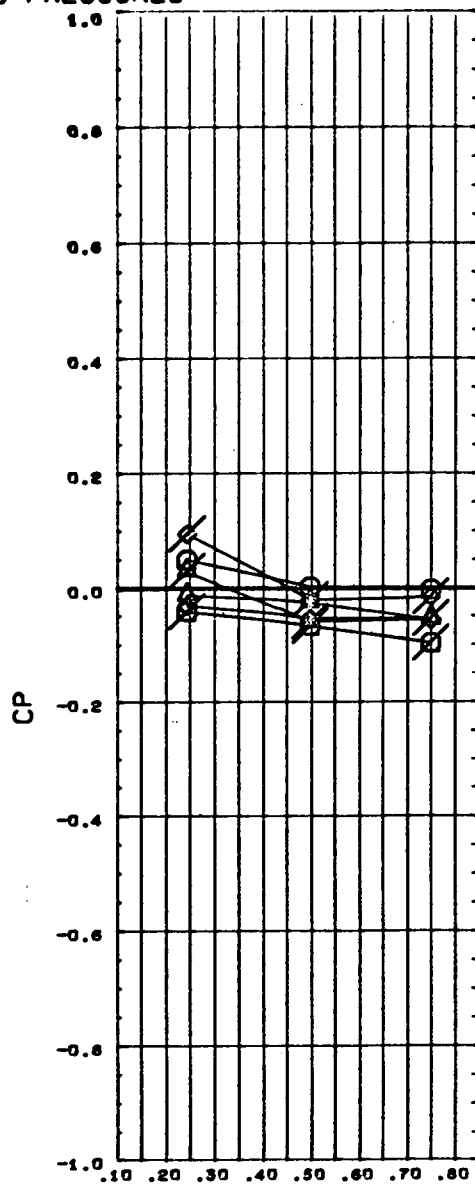
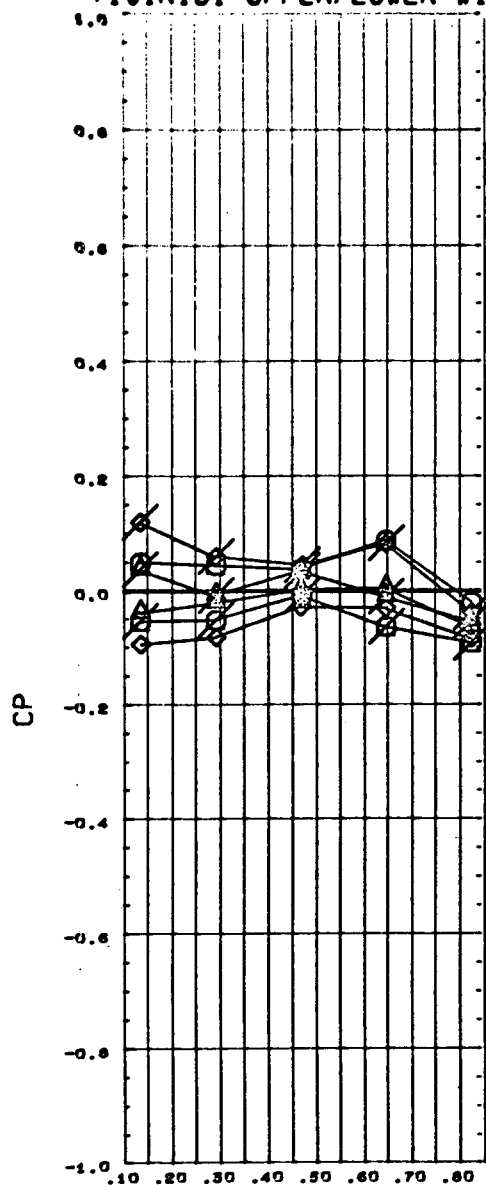


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	1.966
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
ALPHA	0.000 ORBINC - 1.900
SANGLE	21.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67009) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67009) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

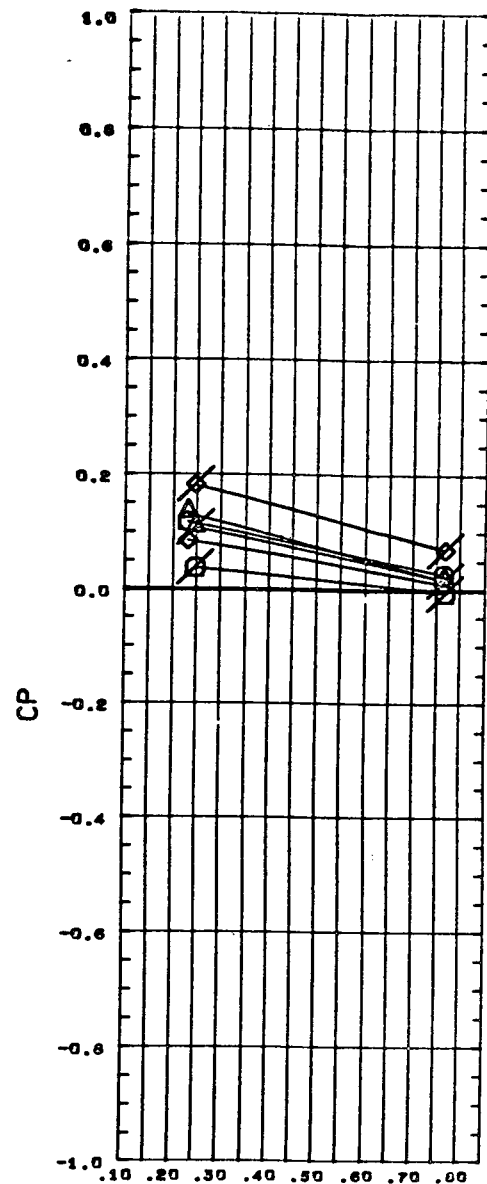
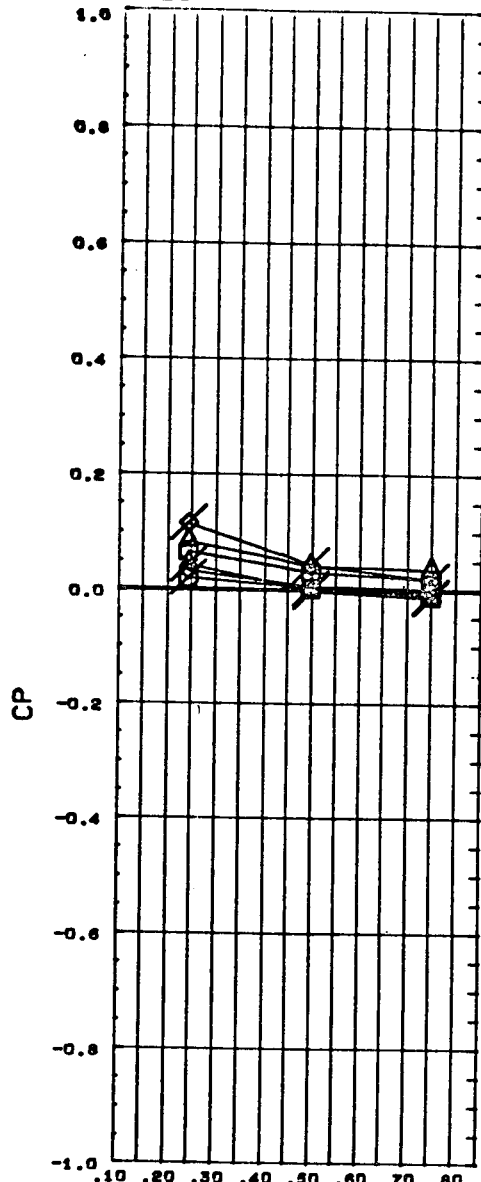
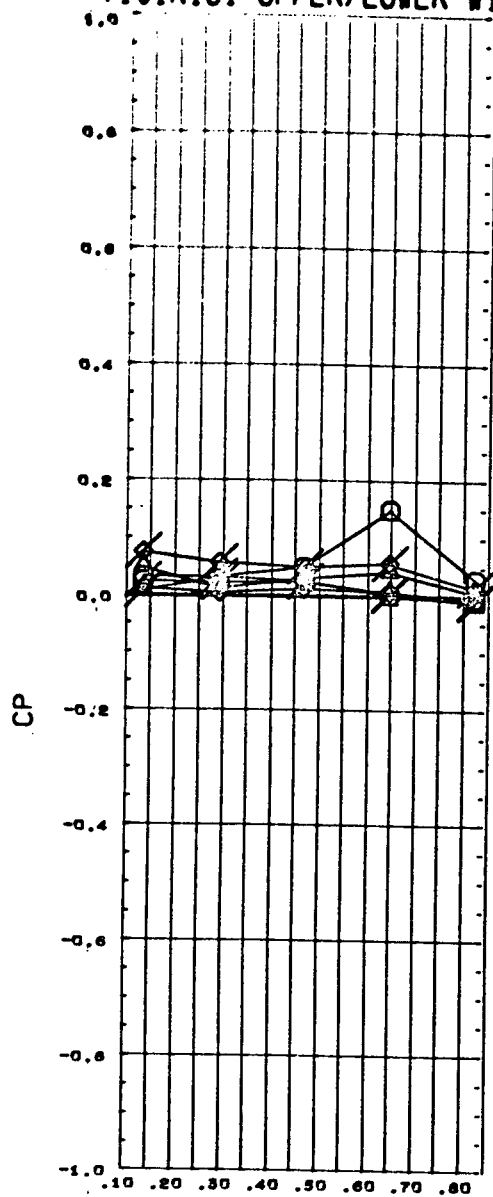


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	2.740
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
ALPHA	0.000
SANGLE	21.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67010) OPEN MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
 (C67010) FLAGGED MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

T101R1S1 UPPER/LOWER WING PRESSURES

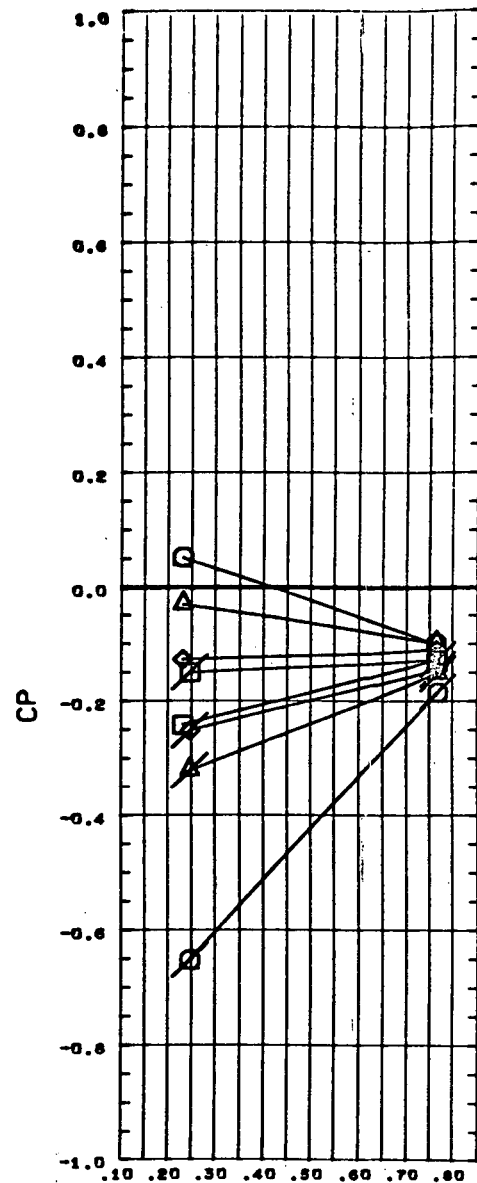
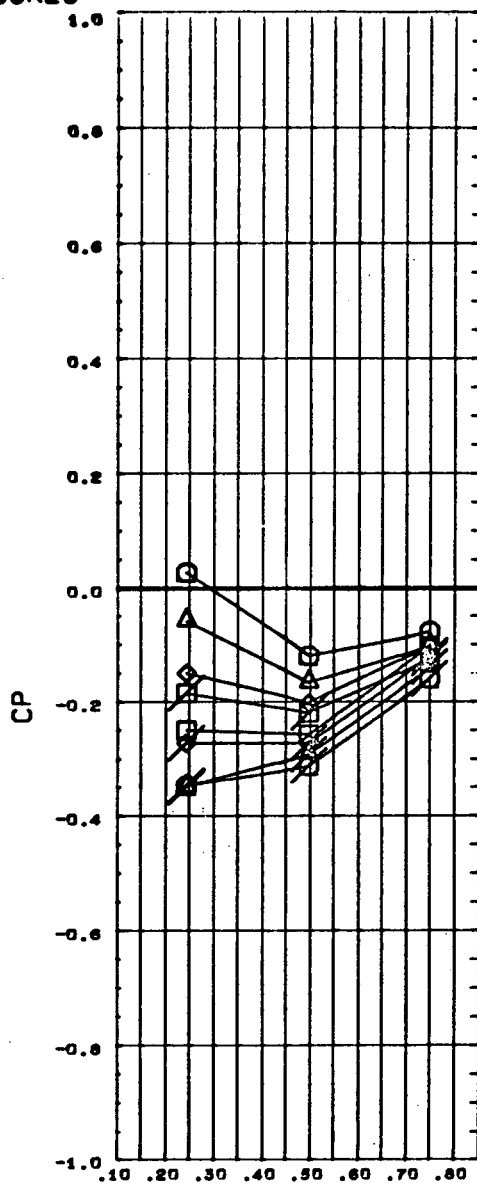
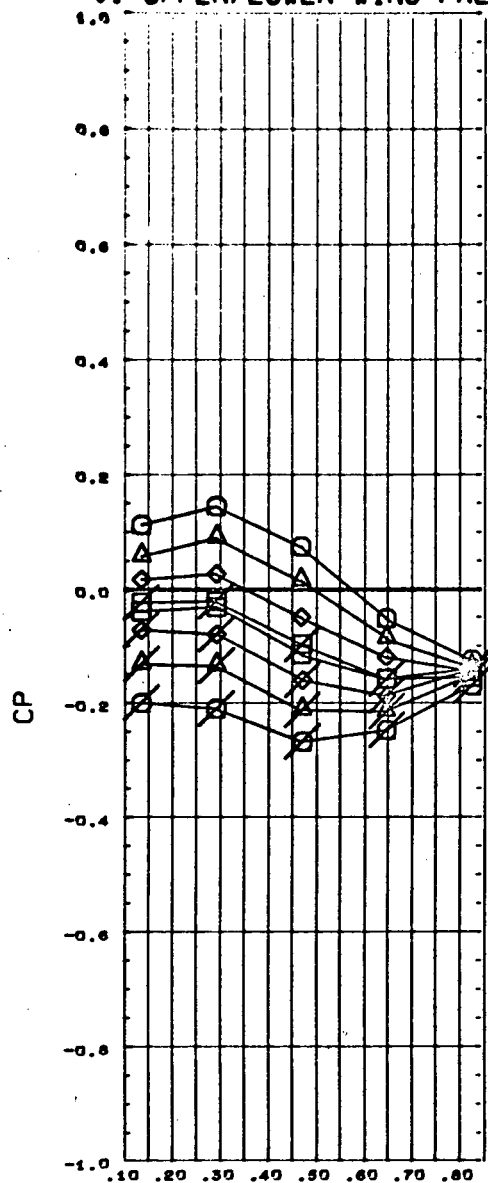


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	4.960
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES	
ALPHA	0.000
SANGLE	21.000
ORBINC	- 1.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67010)	OPEN	MSFC TWT 540 LNCH PRESSURES T101R1S1 (UPPER WING)
(C67010)	FLAGGED	MSFC TWT 540 LNCH PRESSURES T101R1S1 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

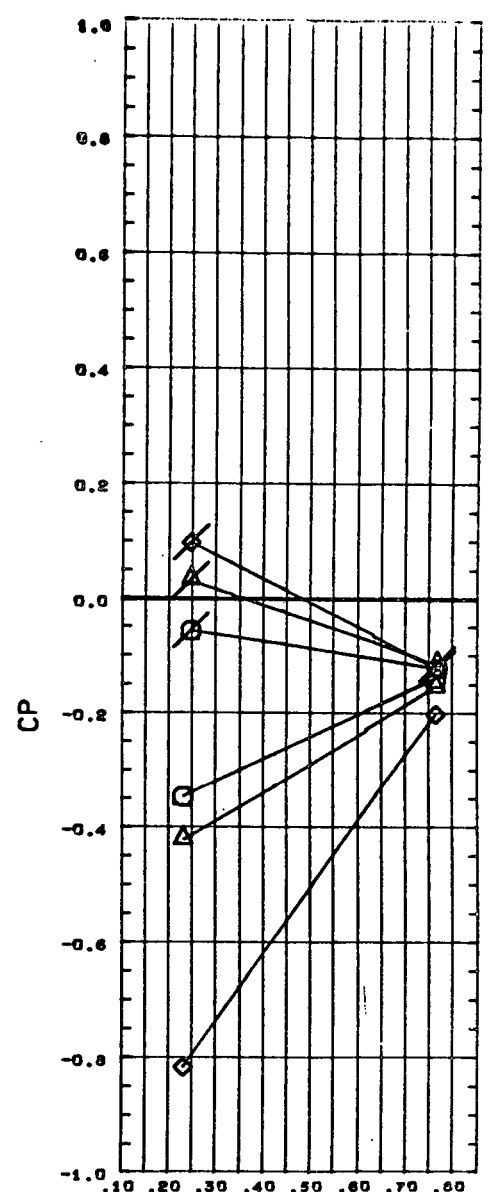
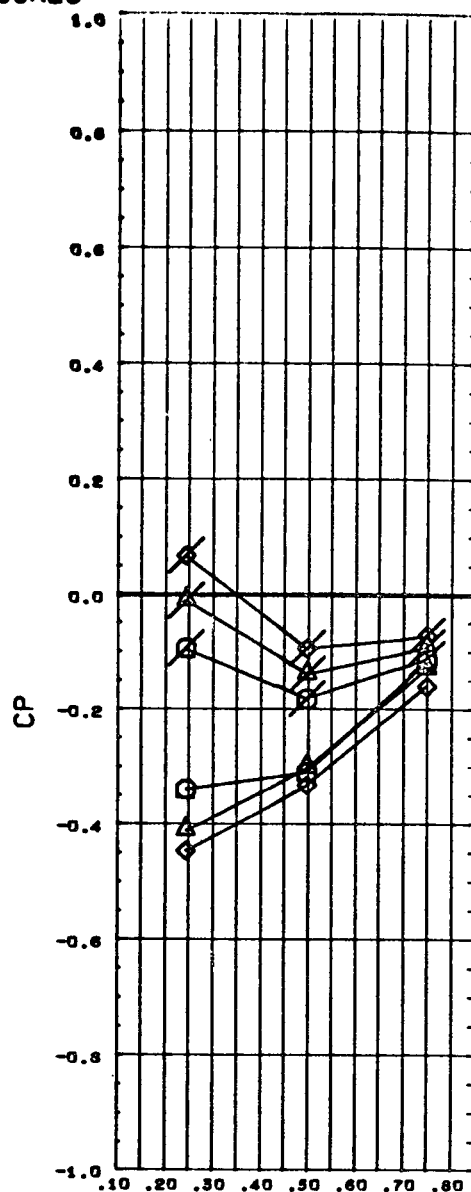
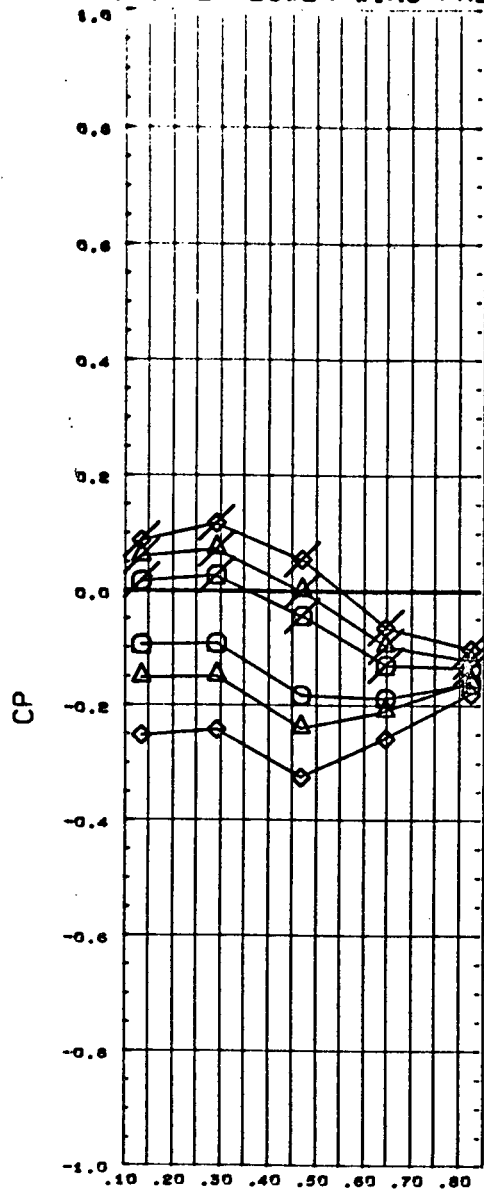


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.603
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (867011) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
 (C67011) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

BETA
 PARAMETRIC VALUES
 0.000

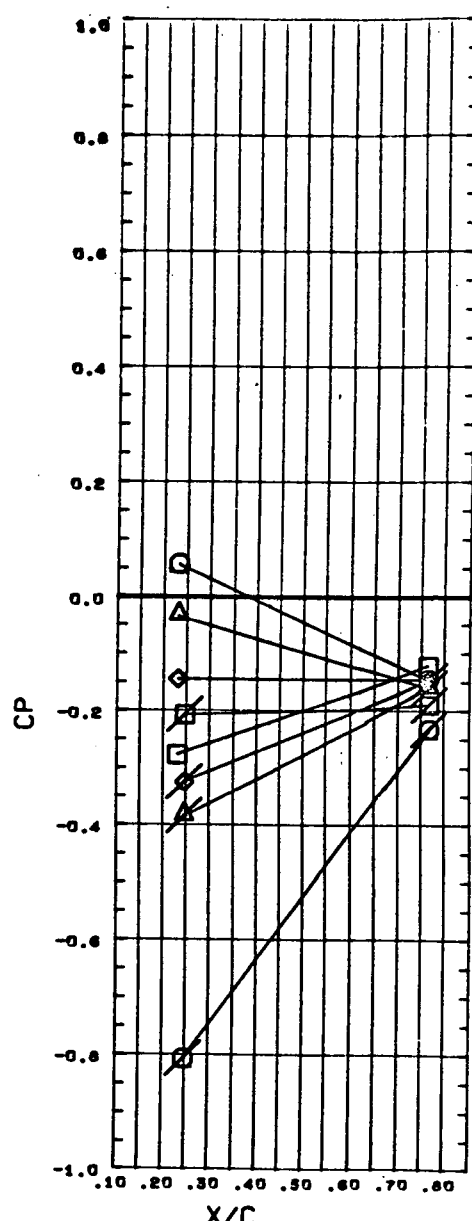
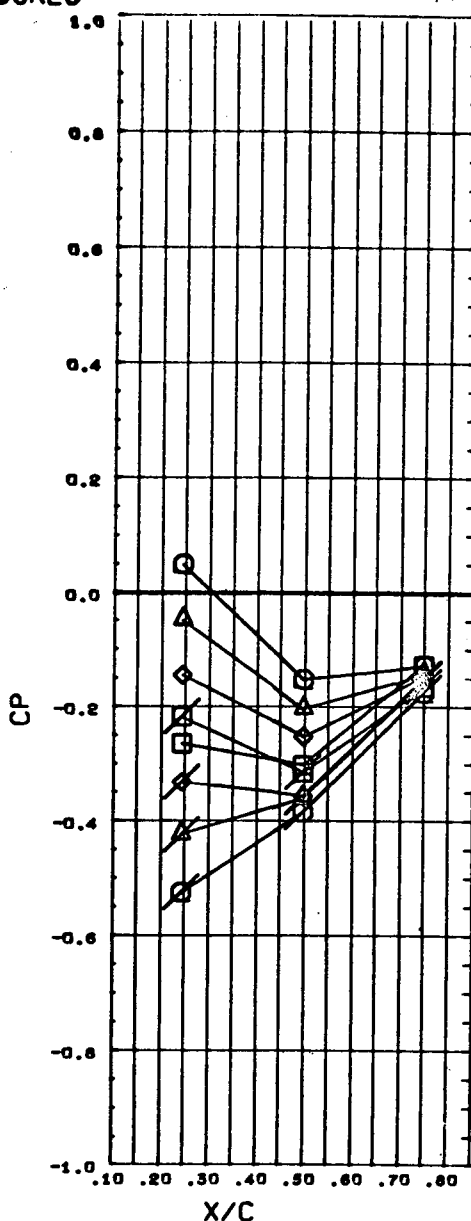
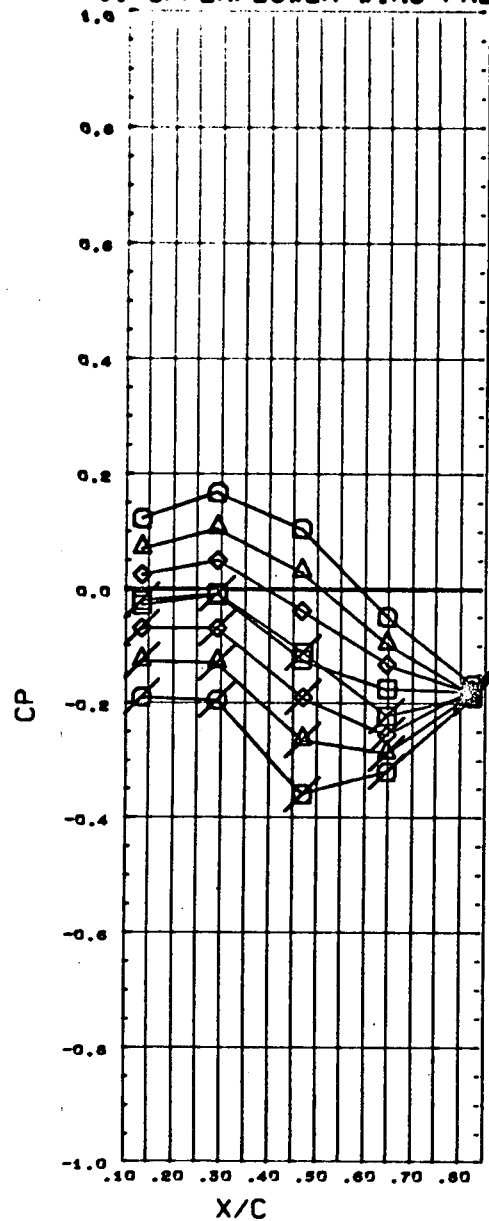
01 UPPER/LOWER WING PRESSURES



SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	0.603
△	4.000	0.560	
◇	6.000	0.845	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (867011) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
 (C67011) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

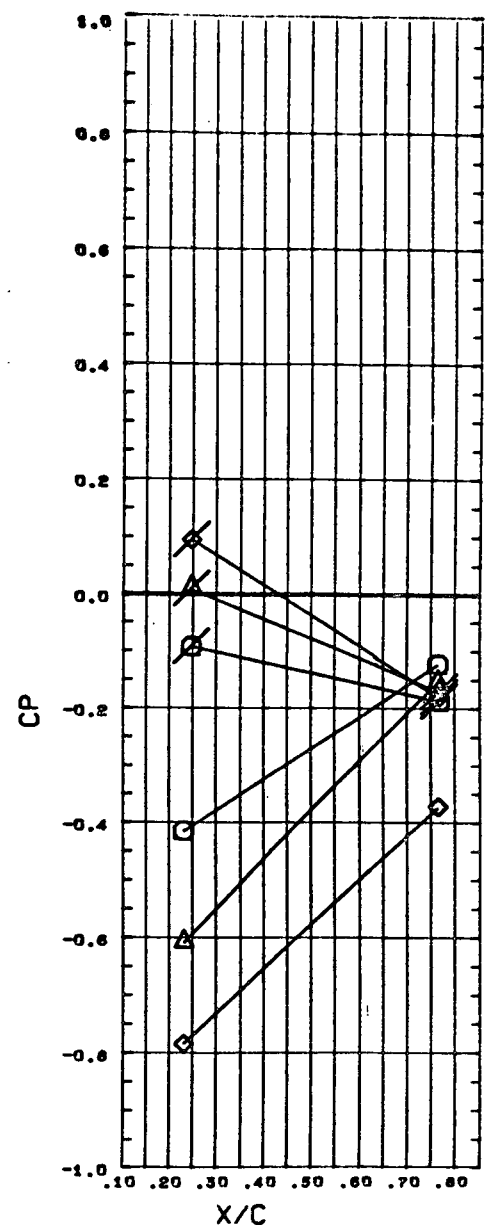
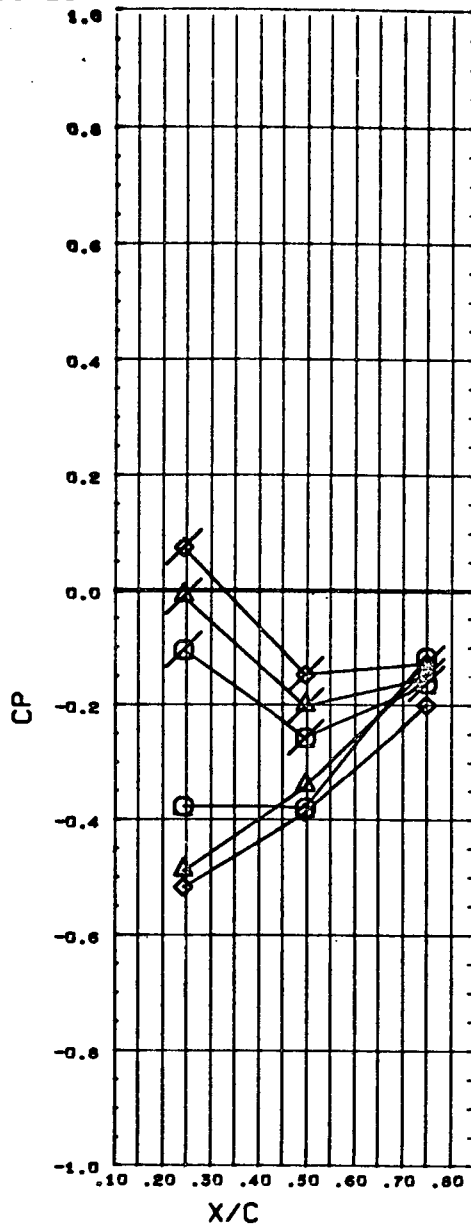
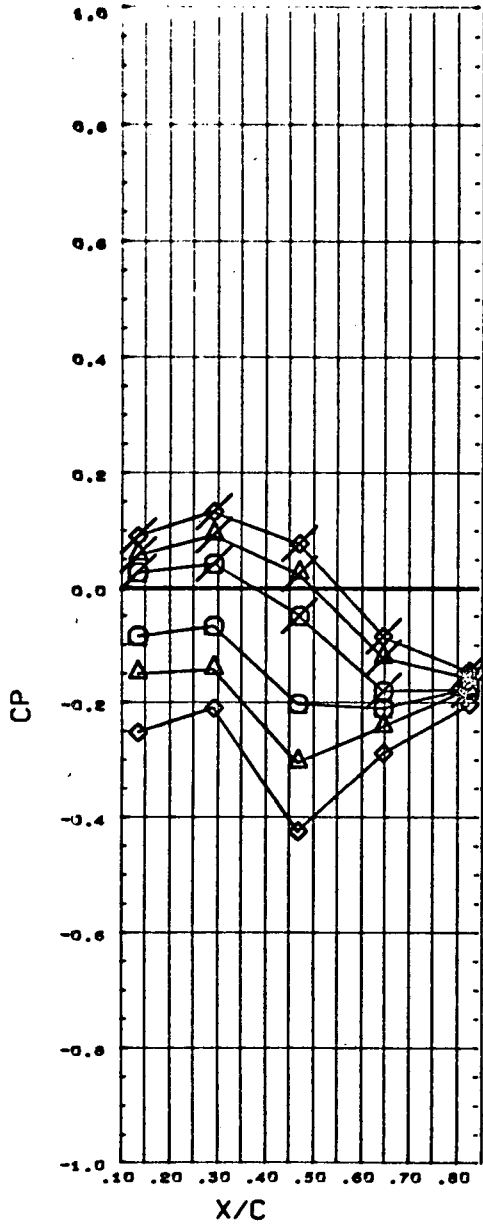


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.874
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(867011)	OPEN	MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67011)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

BETA
PARAMETRIC VALUES
0.000

01 UPPER/LOWER WING PRESSURES

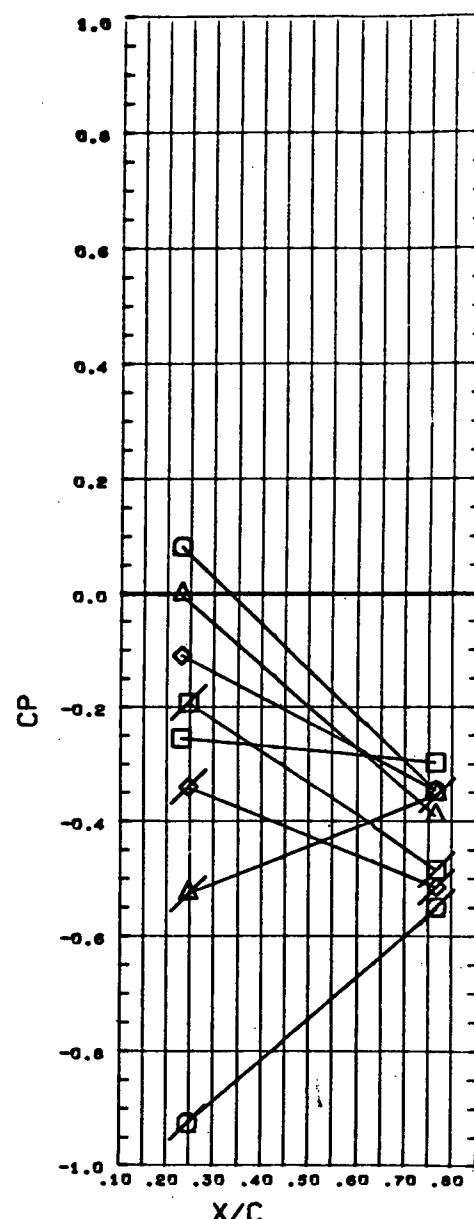
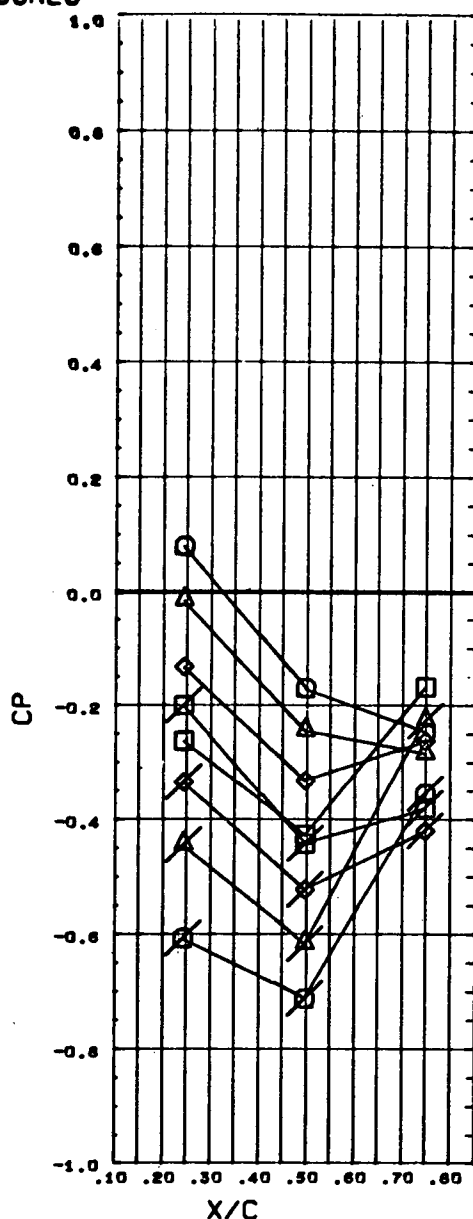
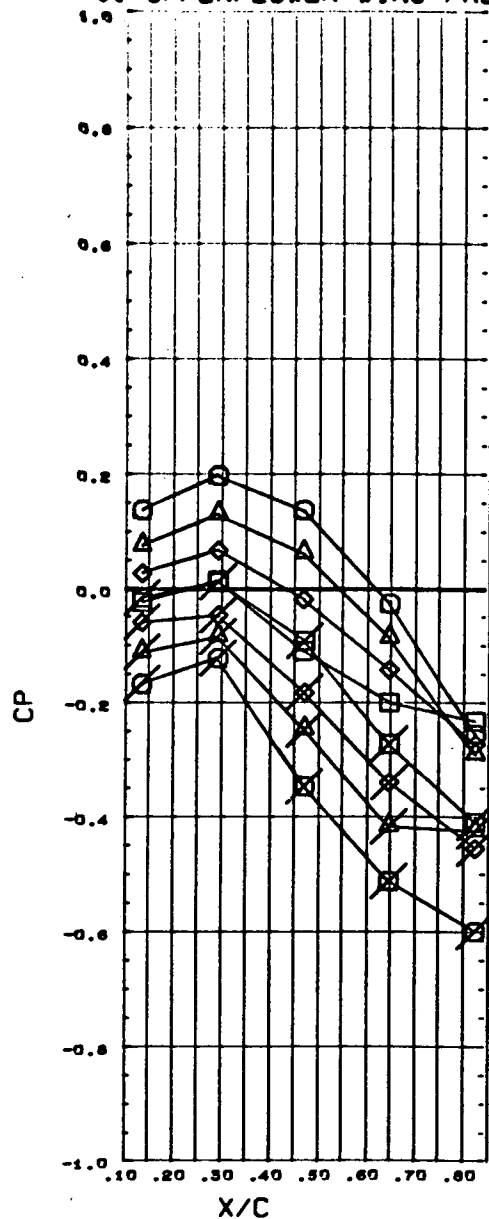


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	0.804
△	4.000	0.560	
◇	6.000	0.845	

BETA
PARAMETRIC VALUES
0.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67011) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67011) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

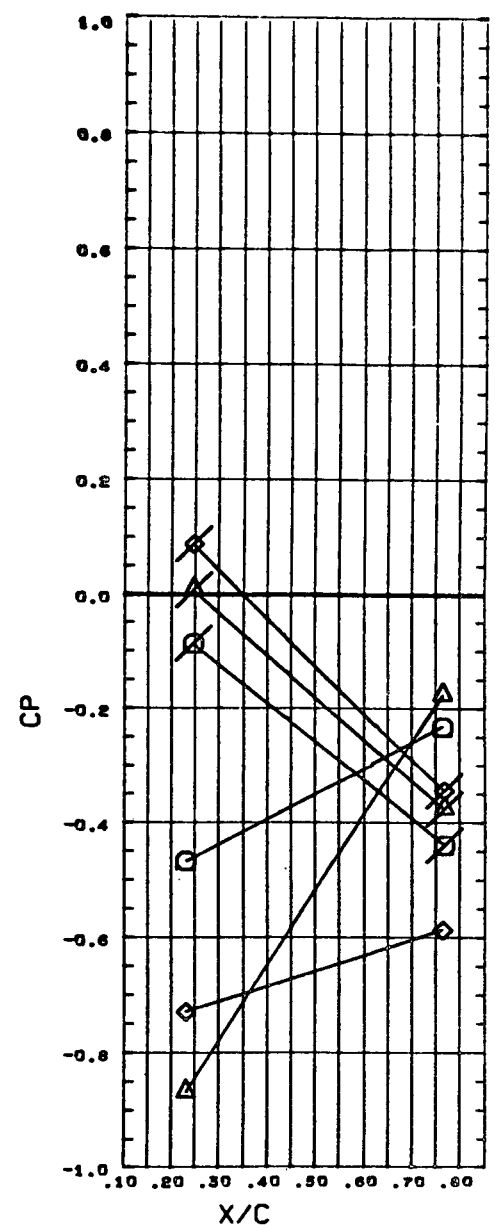
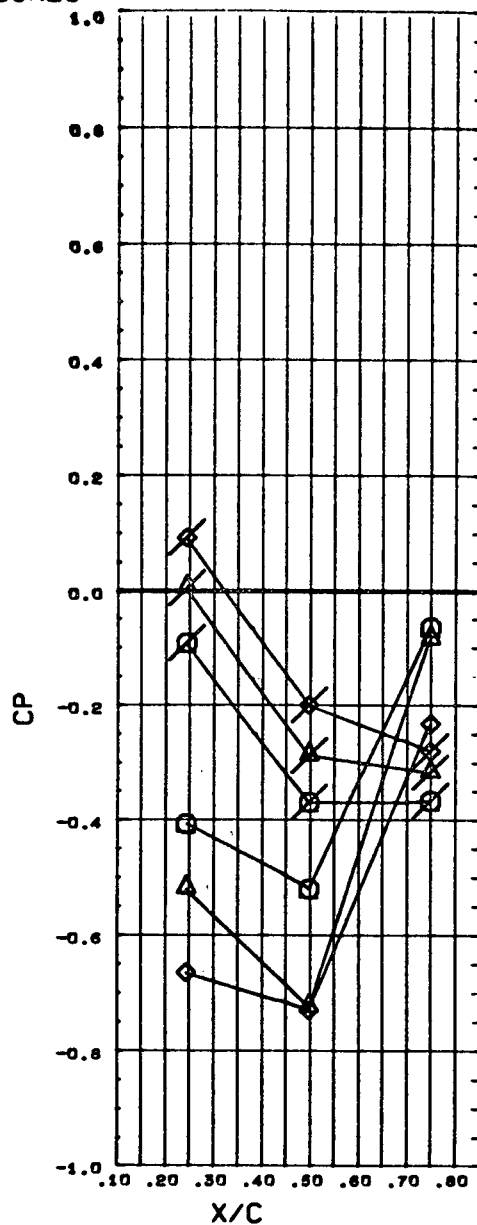
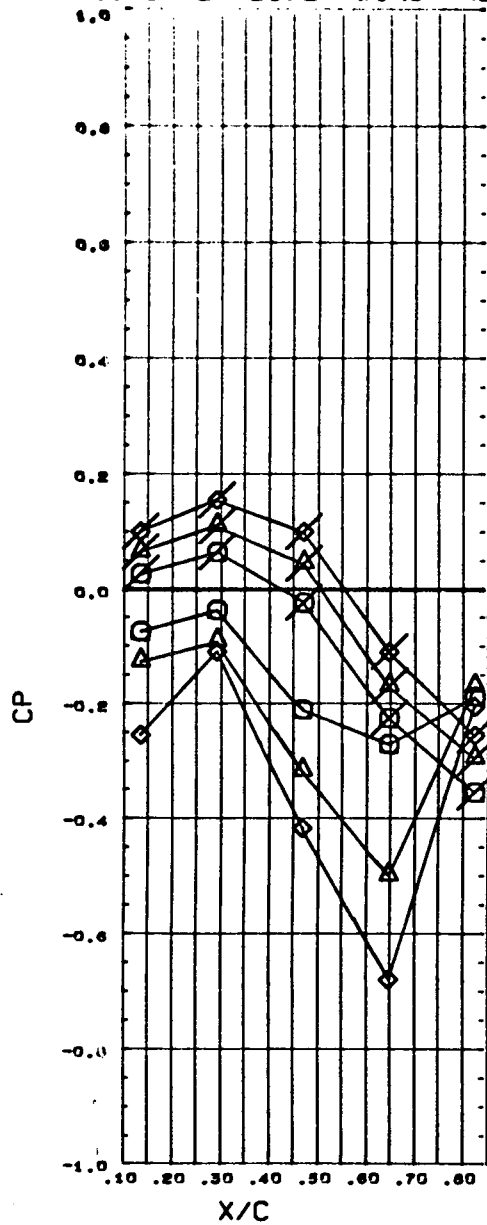


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	0.903
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67011) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
 (C67011) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

BETA
 PARAMETRIC VALUES
 0.000

01 UPPER/LOWER WING PRESSURES

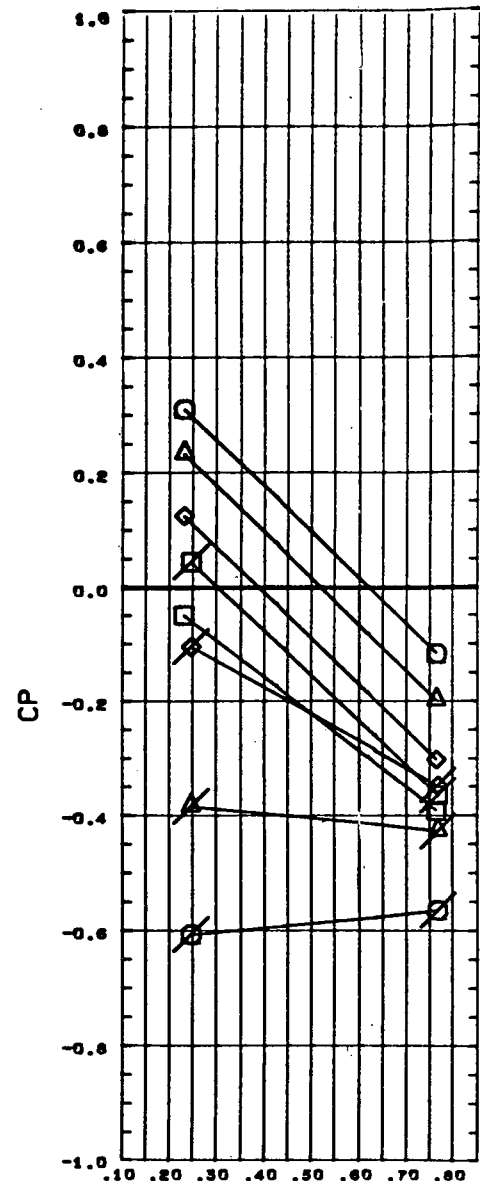
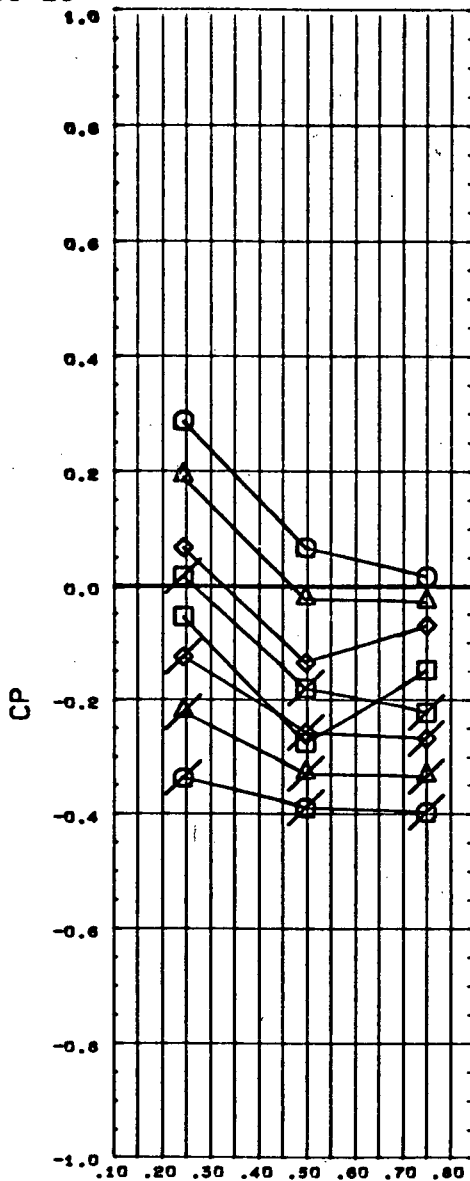
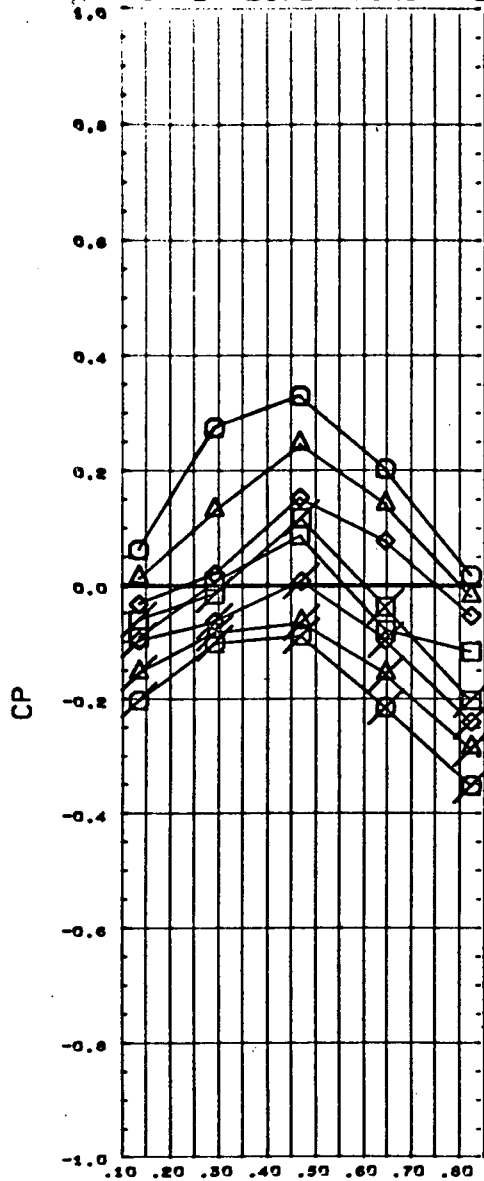


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	0.903
△	4.000	0.560	
◇	6.000	0.845	

BETA
PARAMETRIC VALUES
0.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67011) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67011) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

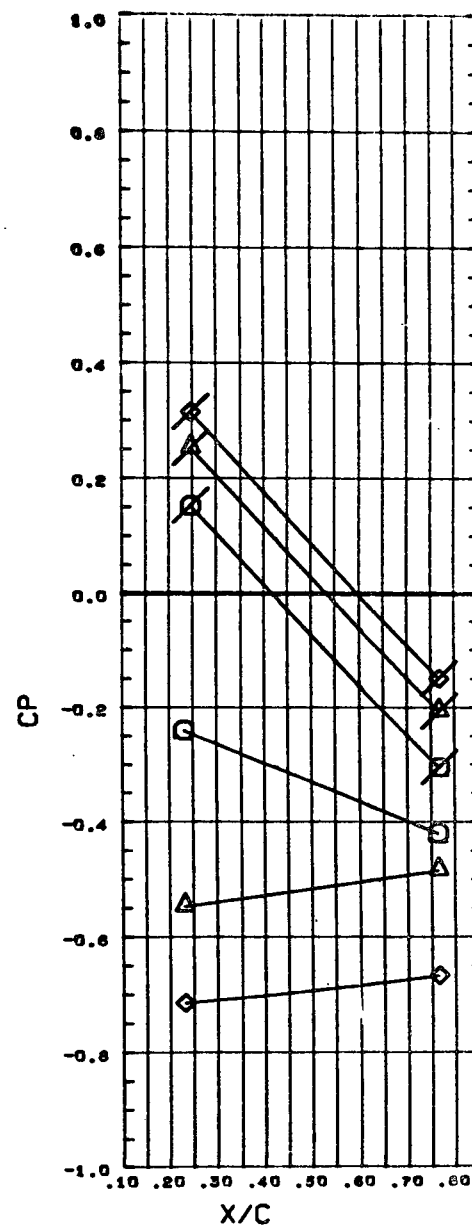
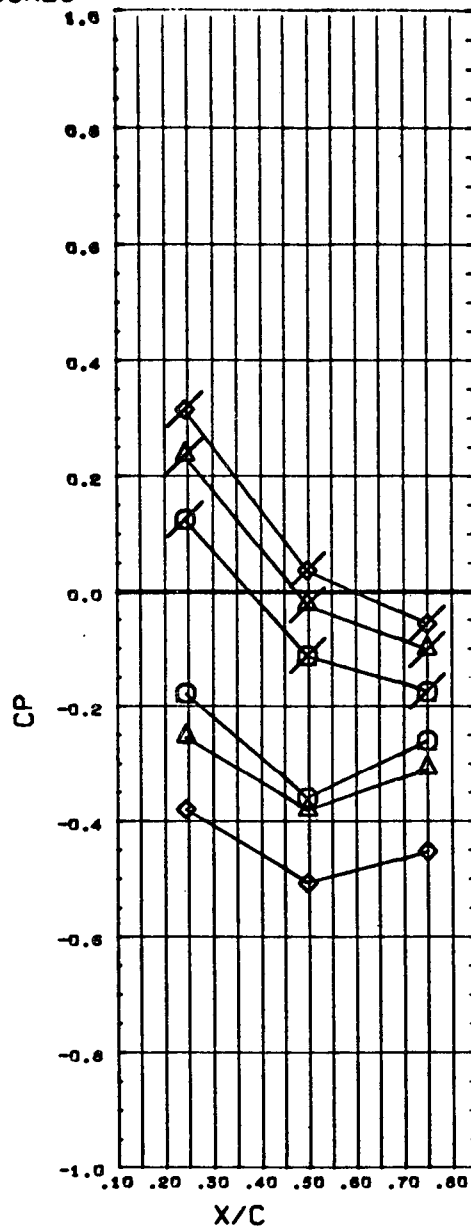
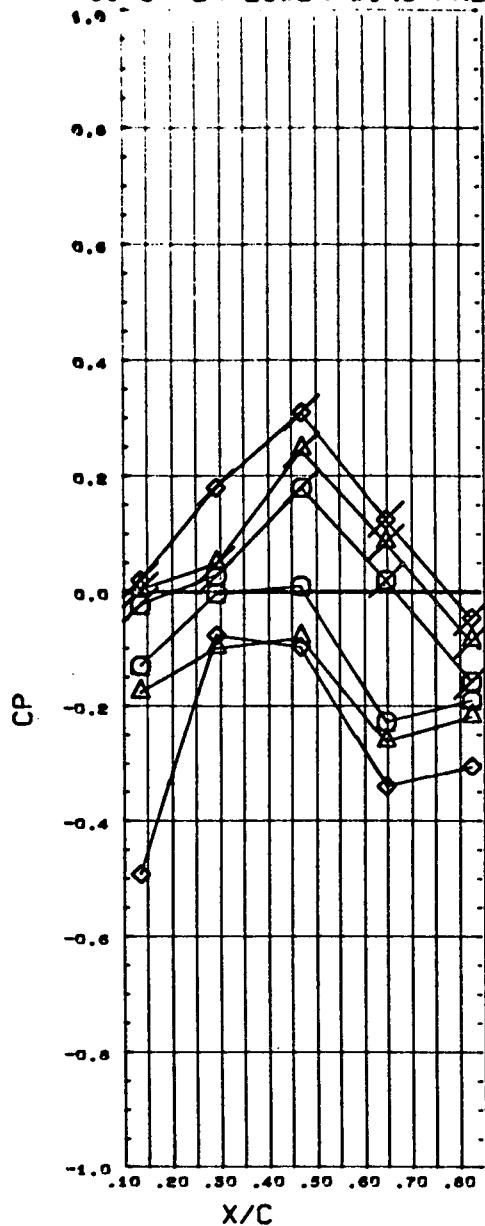


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.103
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67011) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
 (C67011) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

BETA
 PARAMETRIC VALUES
 0.000

01 UPPER/LOWER WING PRESSURES

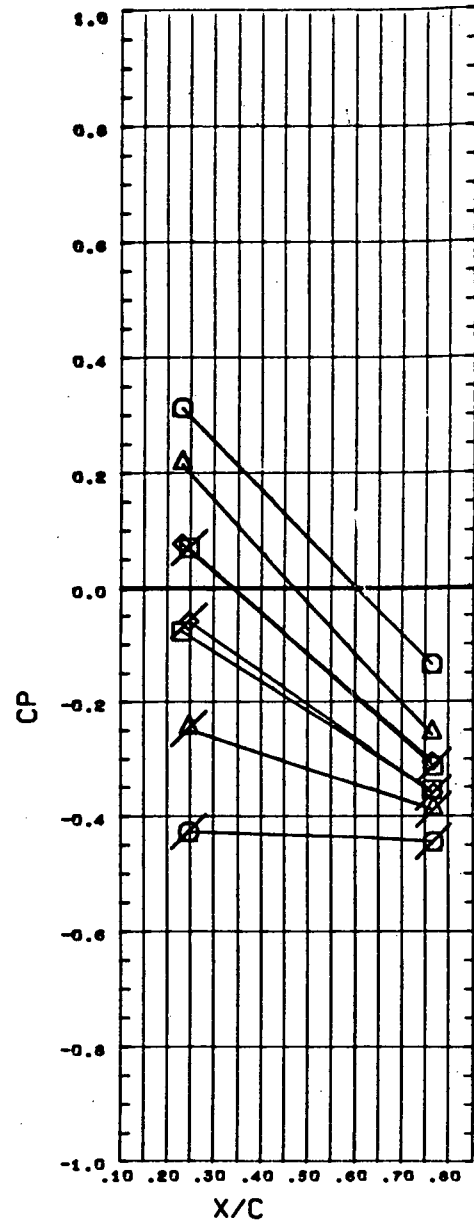
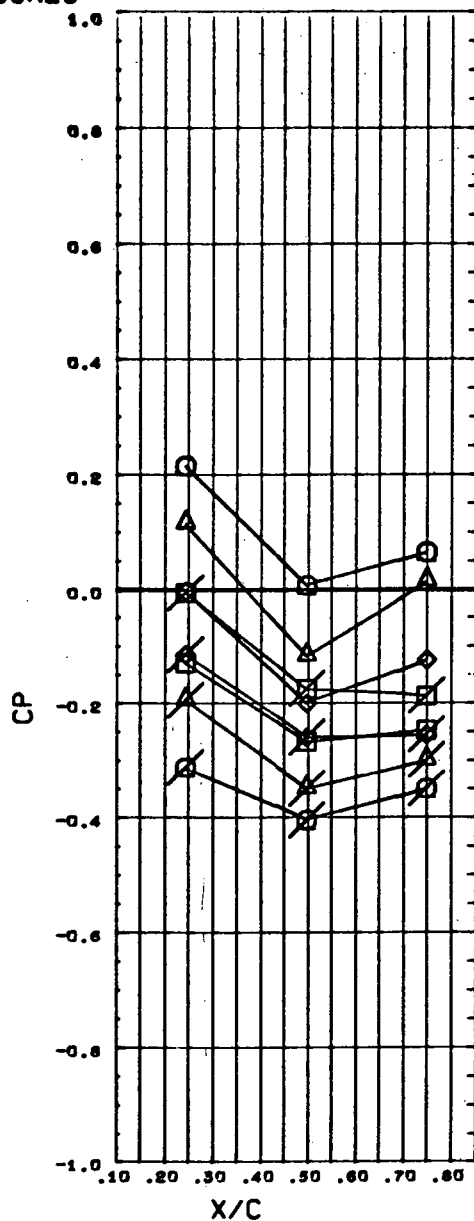
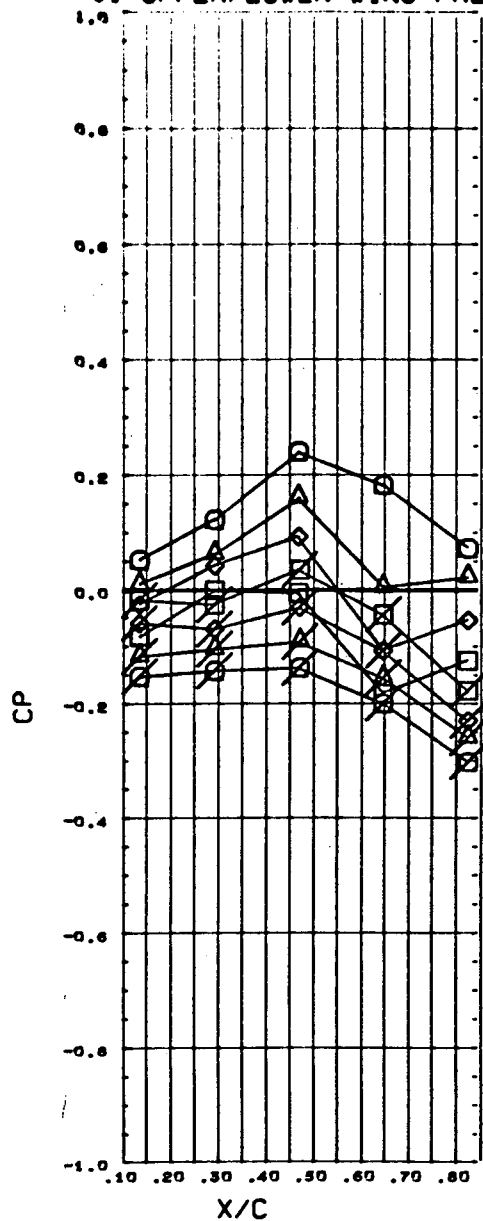


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	1.103
△	4.000	0.560	
◇	6.000	0.845	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67011) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
 (C67011) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

BETA
 PARAMETRIC VALUES
 0.000

01 UPPER/LOWER WING PRESSURES

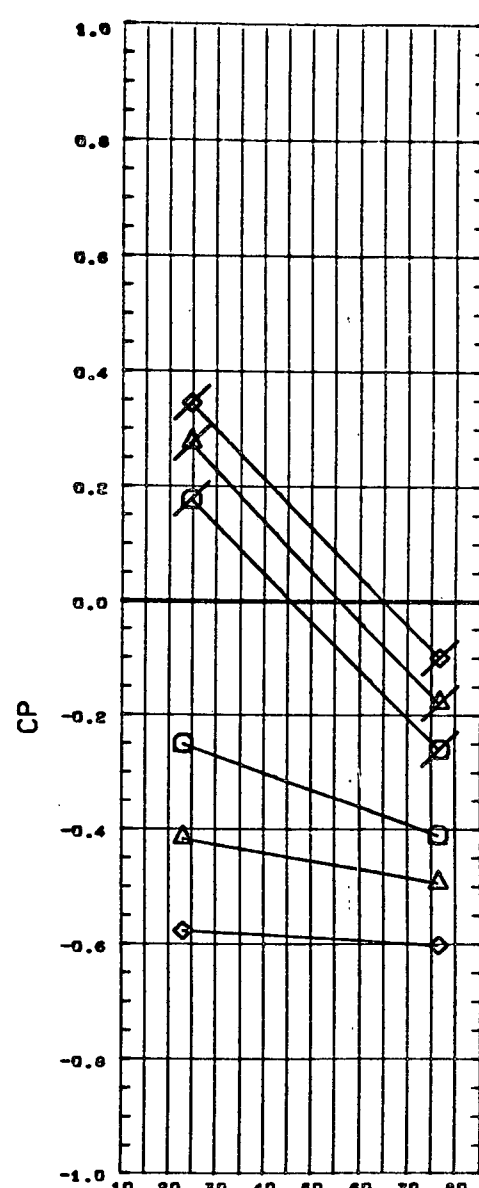
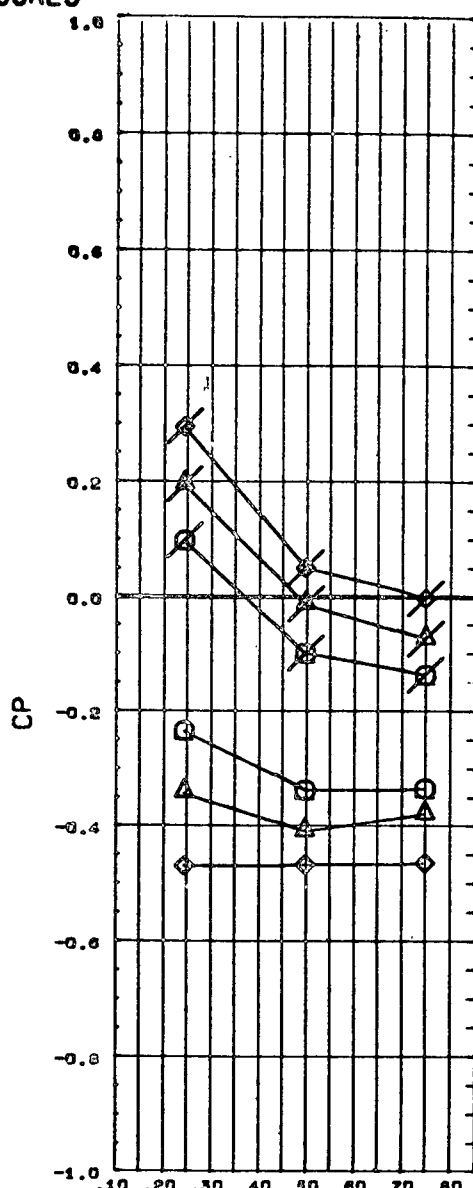
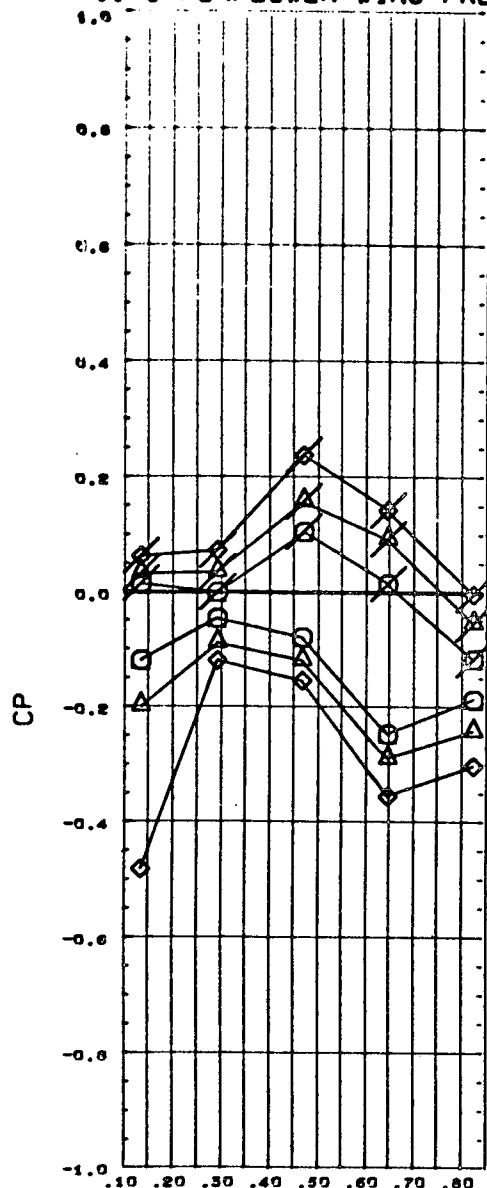


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.202
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

BETA
PARAMETRIC VALUES
0.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67011) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67011) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

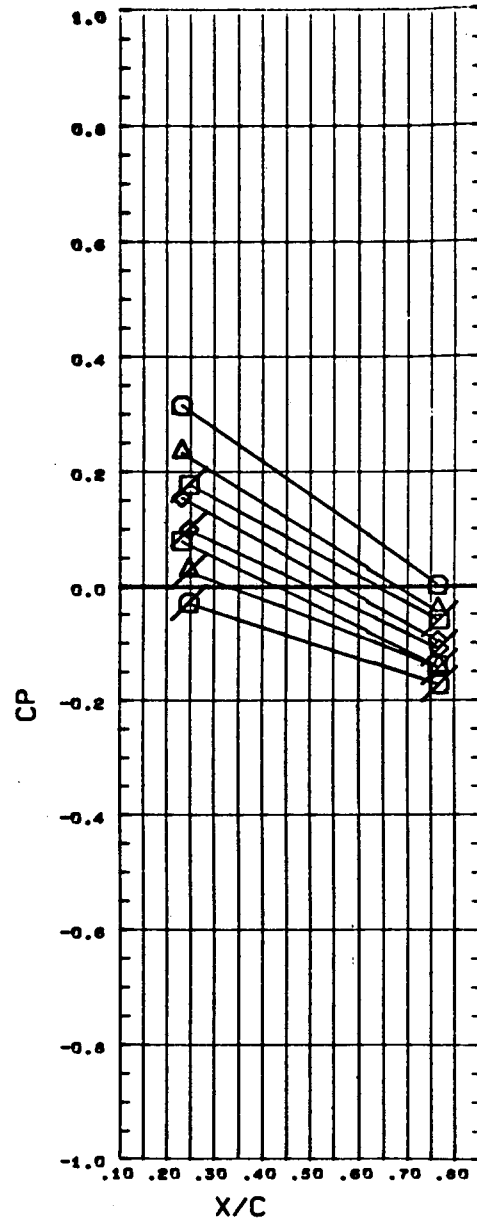
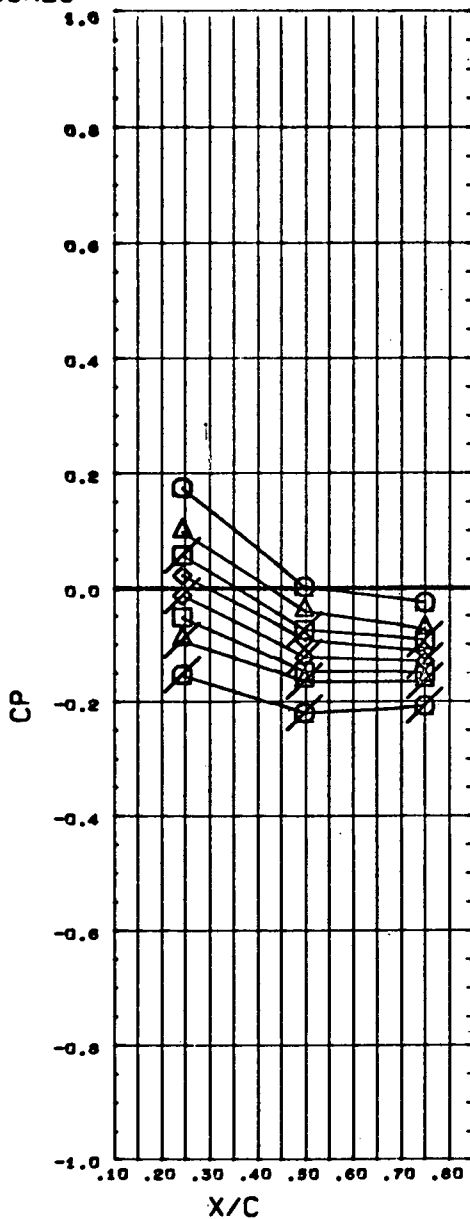
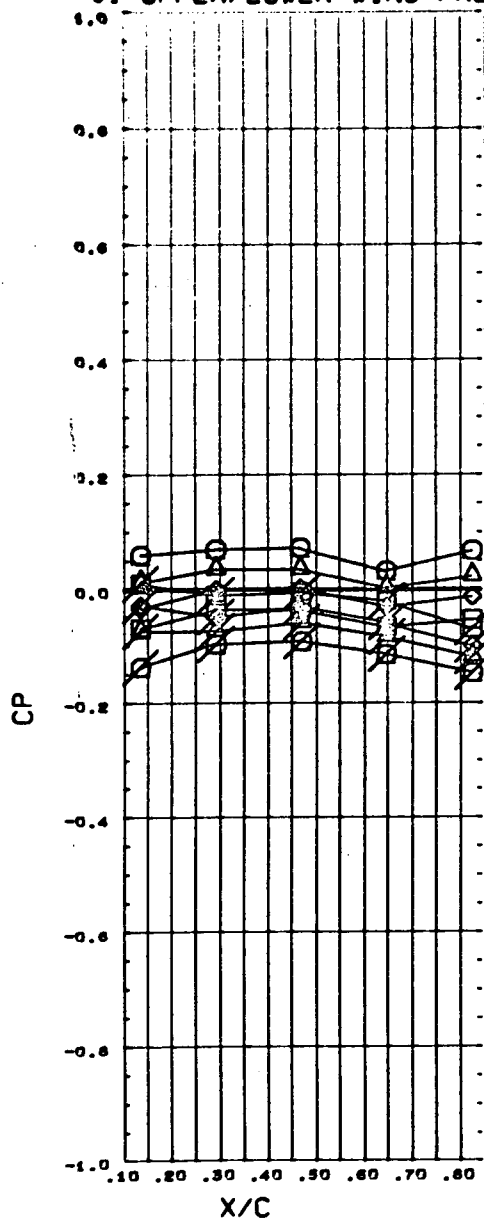


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	1.202
△	4.000	0.560	
◇	6.000	0.645	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BG7011) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
 (CG7011) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

BETA
 PARAMETRIC VALUES
 0.000

01 UPPER/LOWER WING PRESSURES

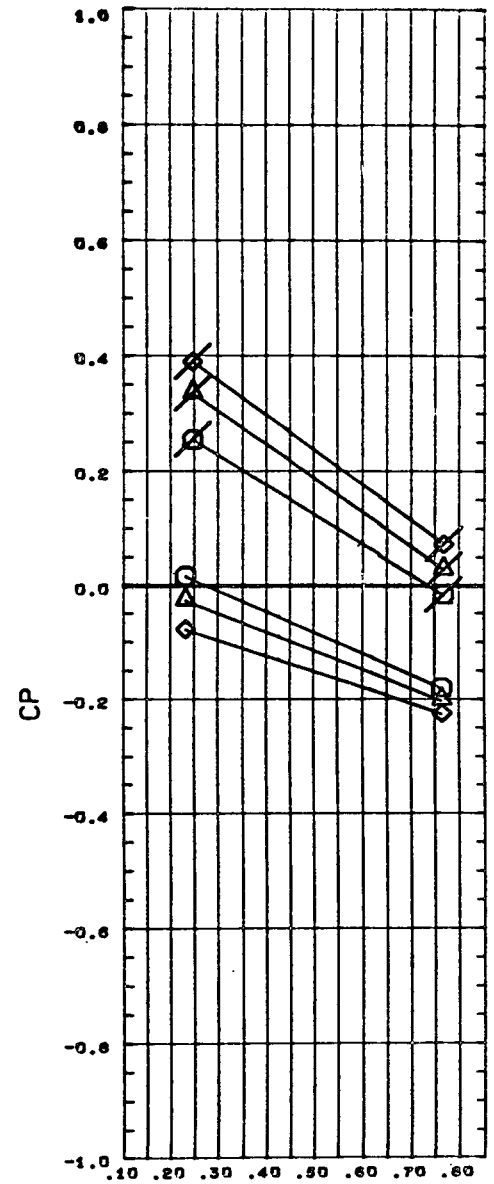
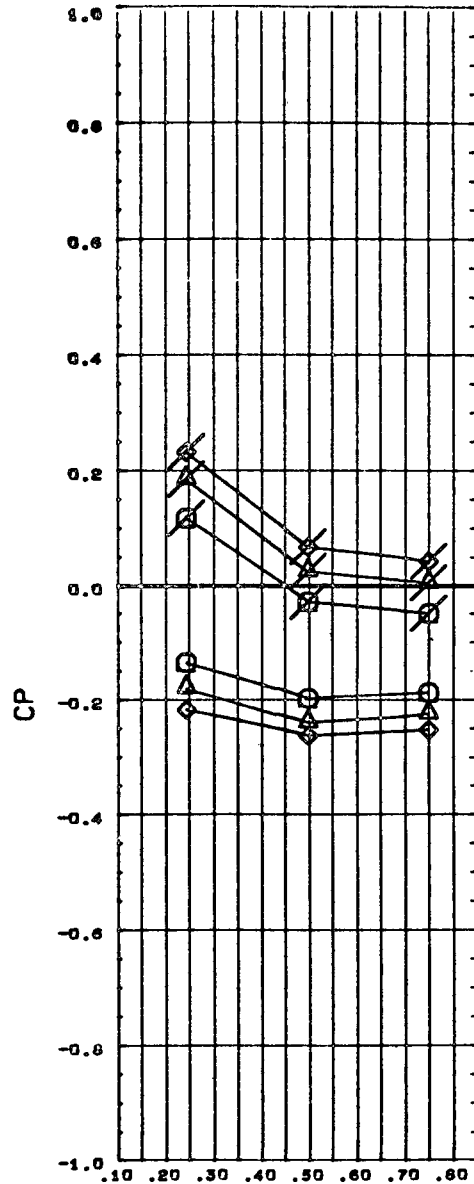
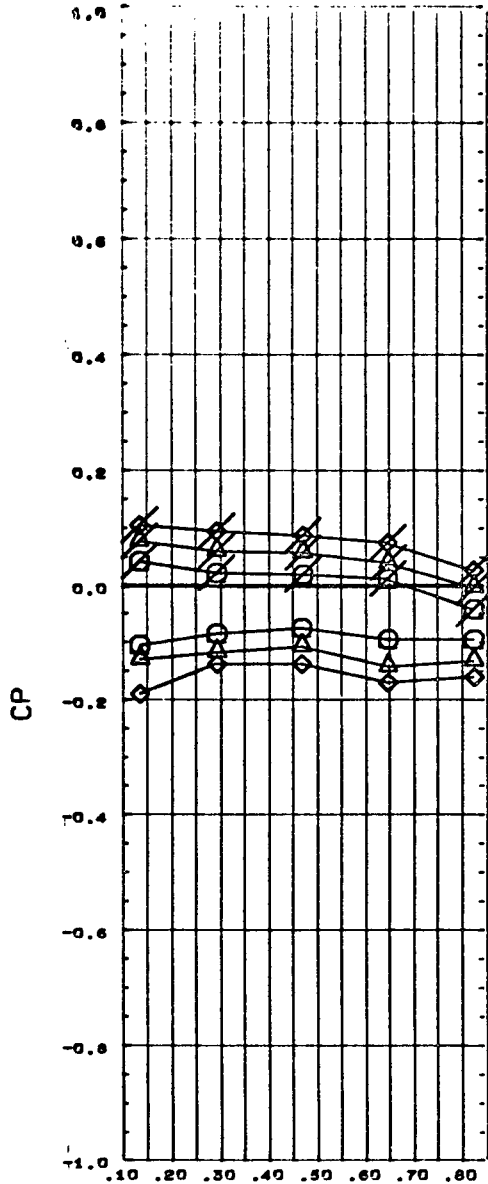


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	1.965
◇	4.000	0.560	
◊	2.000	0.845	
□	0.000		

BETA
PARAMETRIC VALUES
0.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67011) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67011) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

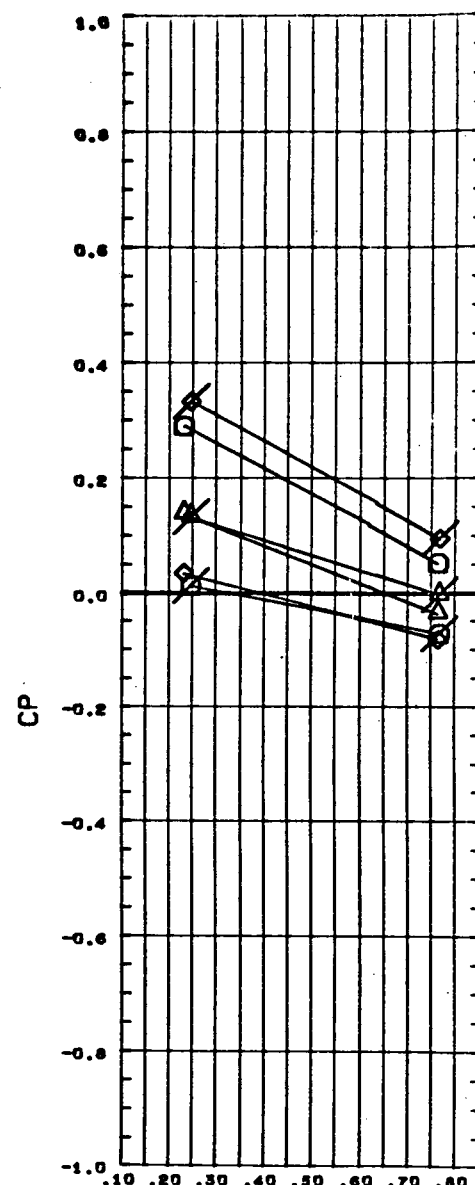
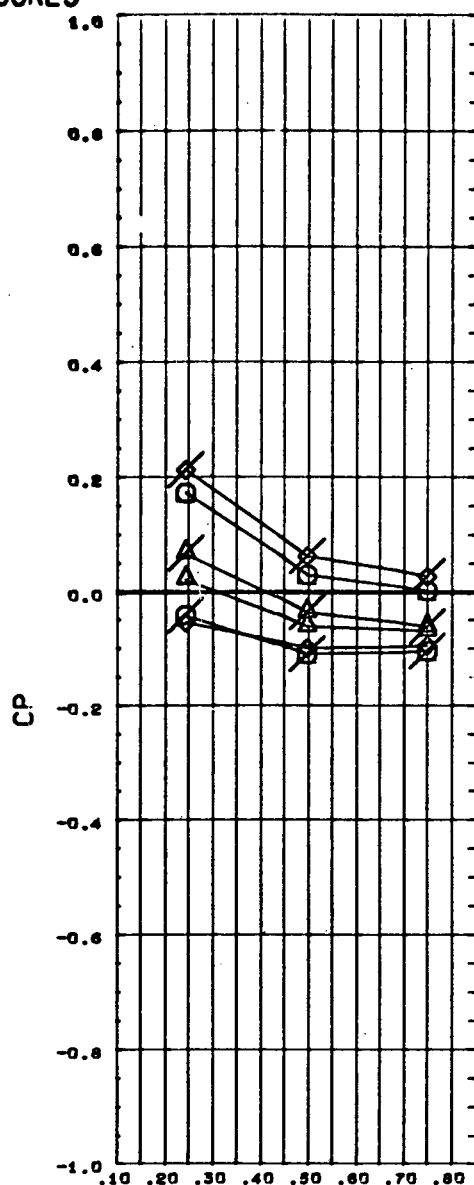
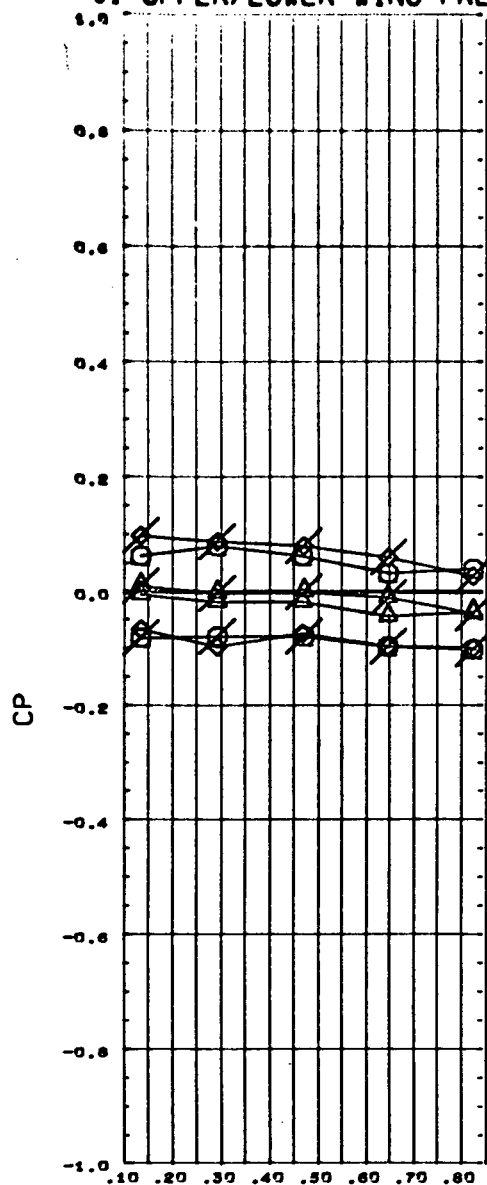


SYMBOL	ALPHA	Y/B	MACH
○	2.000	0.290	1.965
△	4.000	0.560	
◇	6.000	0.845	

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(867011)	OPEN	MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67011)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

BETA
PARAMETRIC VALUES
0.000

01 UPPER/LOWER WING PRESSURES

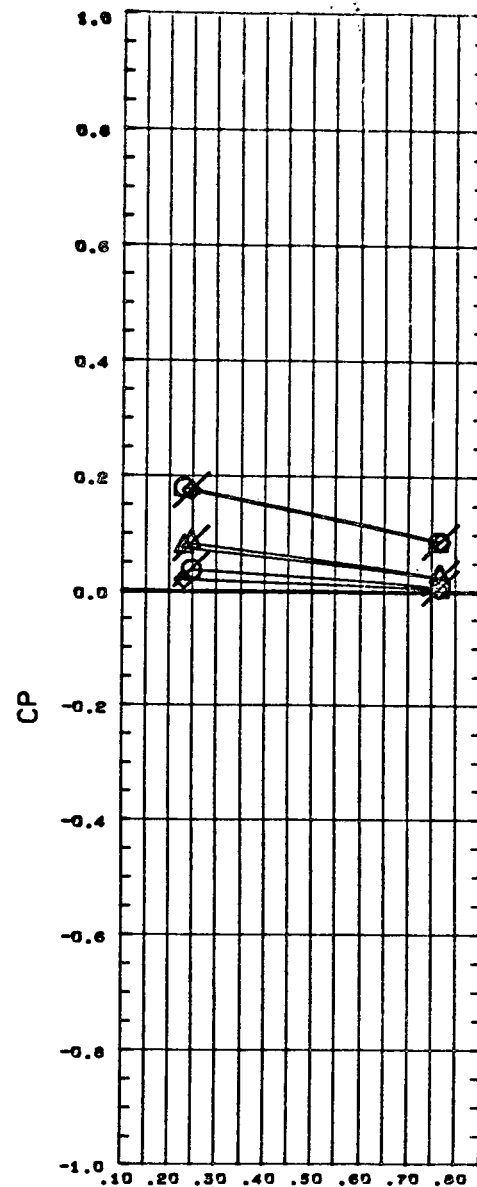
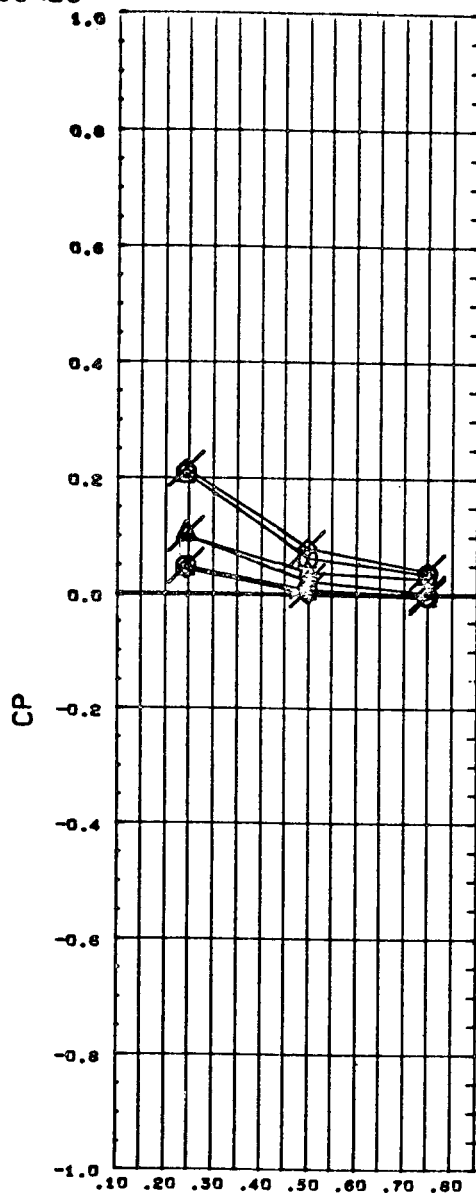
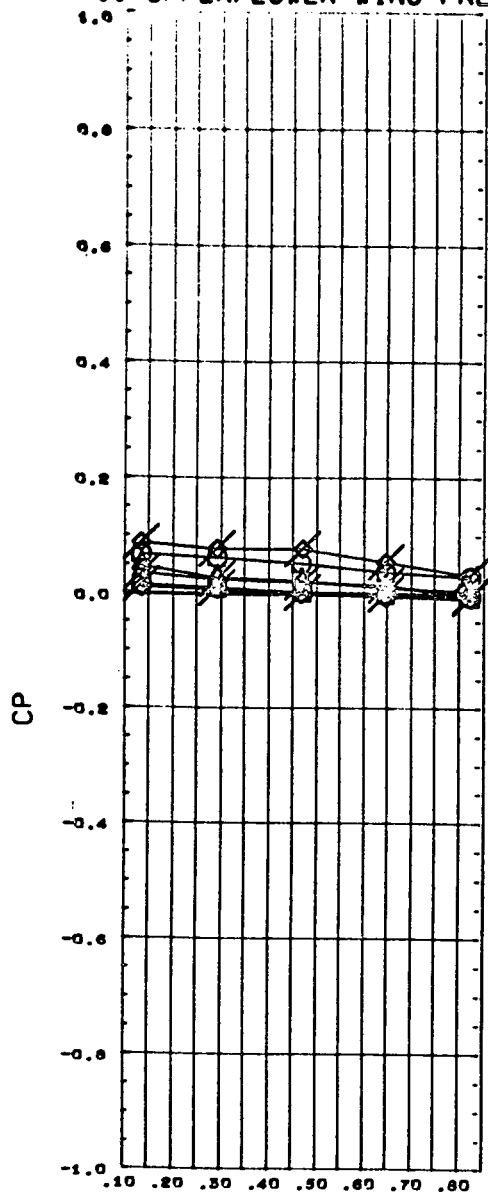


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	2.740
△	0.000	0.560	
◇	6.000	0.845	

BETA
PARAMETRIC VALUES
0.900

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67012) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67012) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

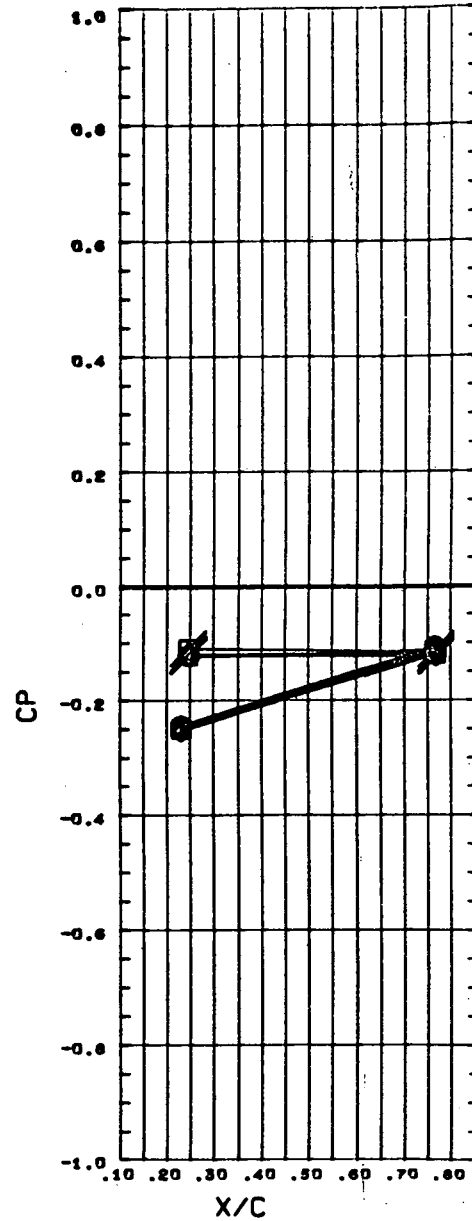
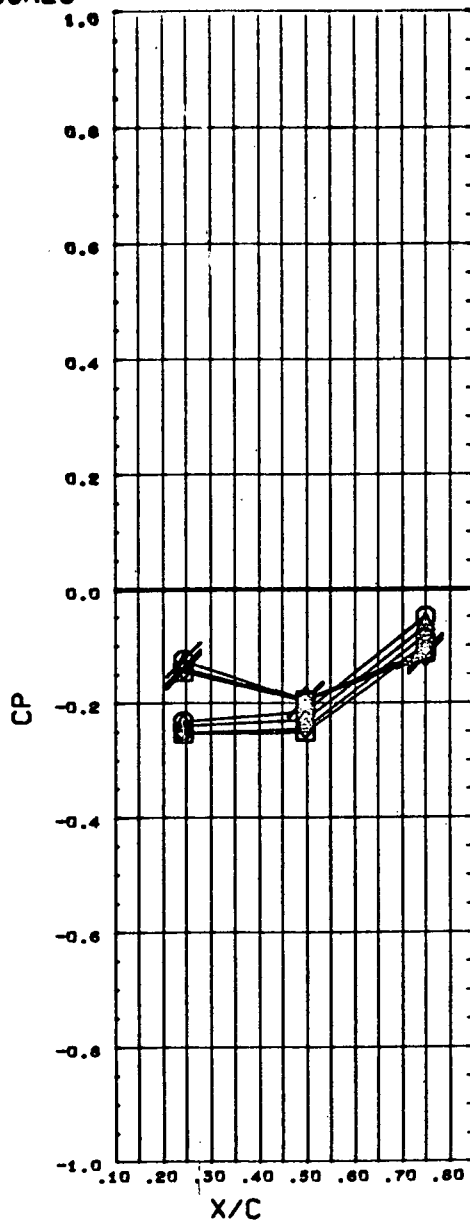
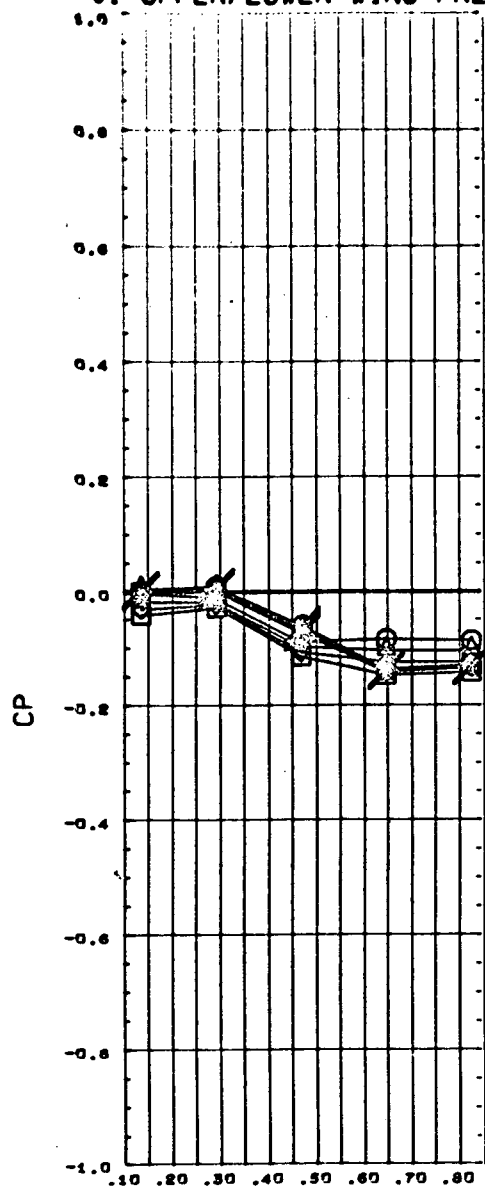


SYMBOL	ALPHA	Y/B	MACH
○	6.000	0.290	4.960
△	0.000	0.560	
◇	6.000	0.845	

BETA
PARAMETRIC VALUES
0.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67012)	OPEN	MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67012)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

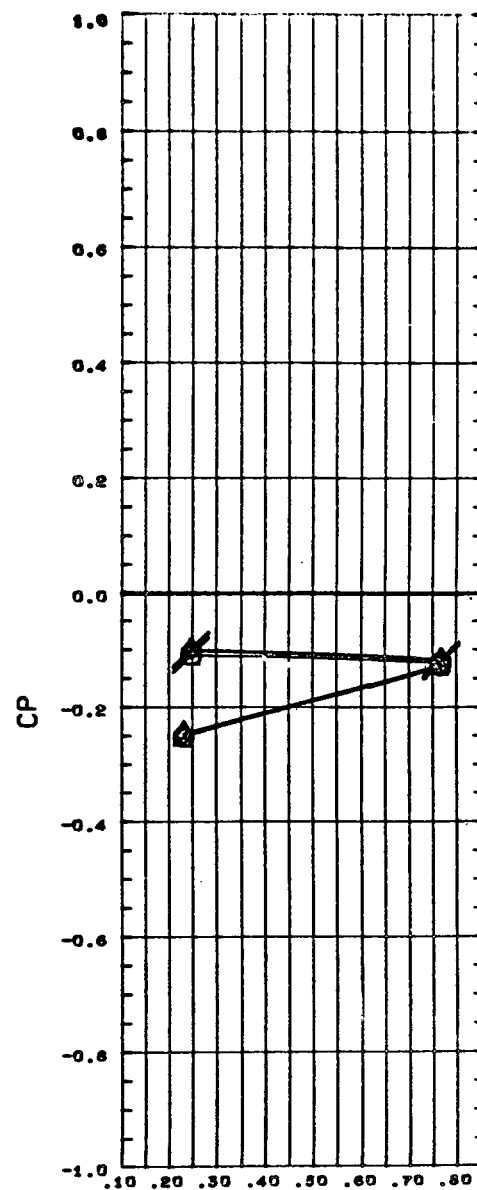
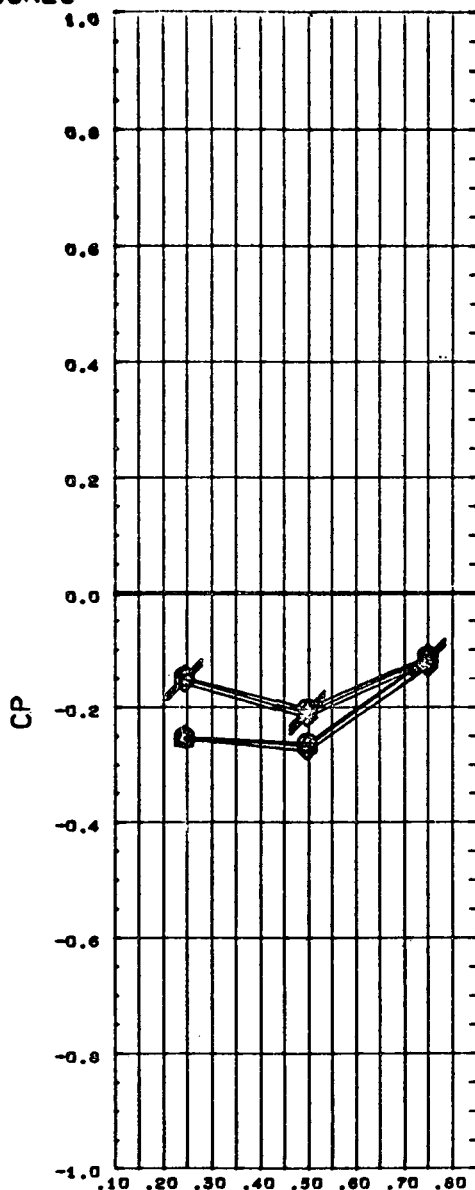
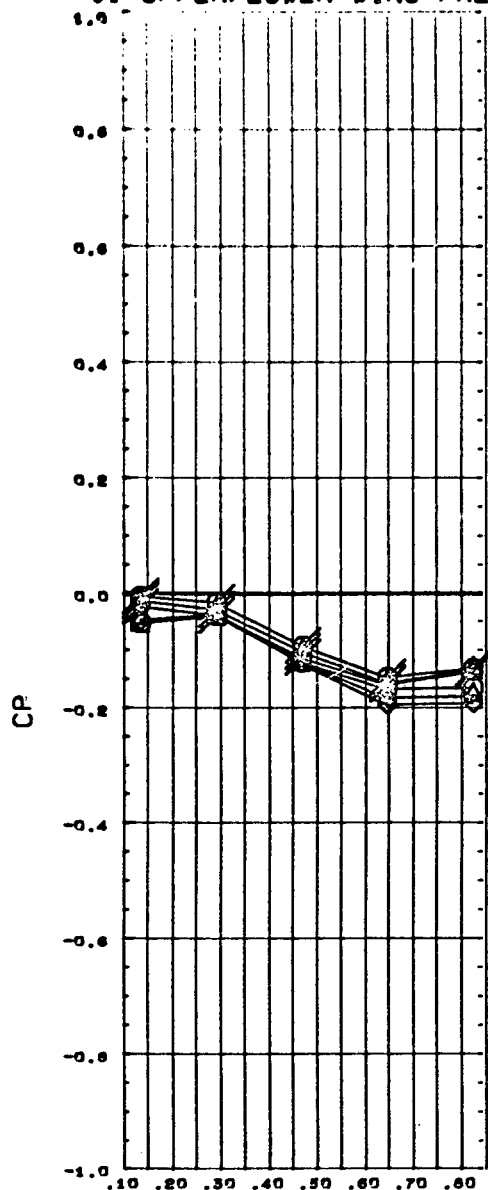


SYMBOL	BETA	Y/B	MACH
○	- 6.000	0.290	0.601
△	- 4.000	0.560	
◇	- 2.000	0.843	
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67013) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67013) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

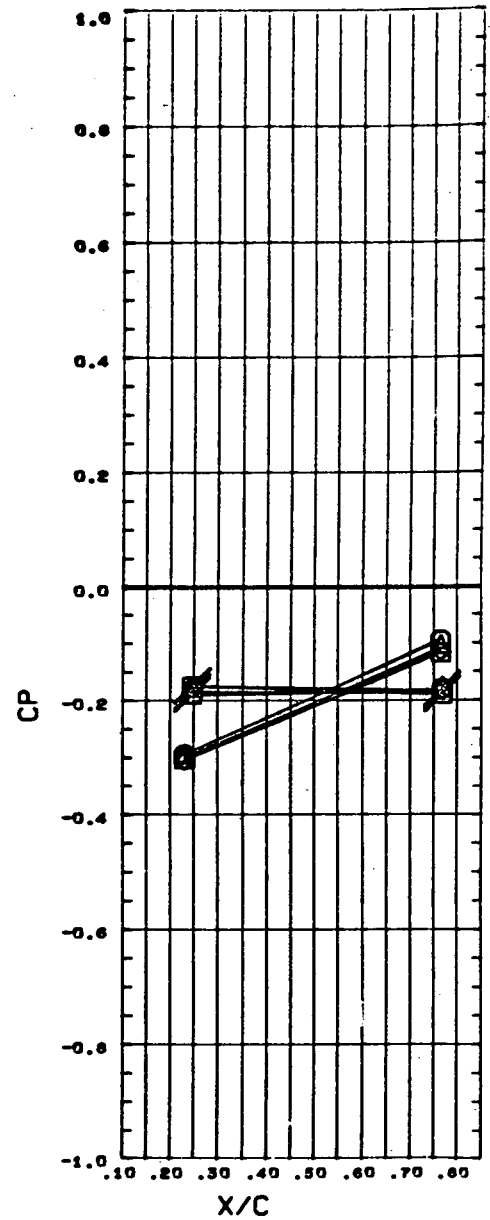
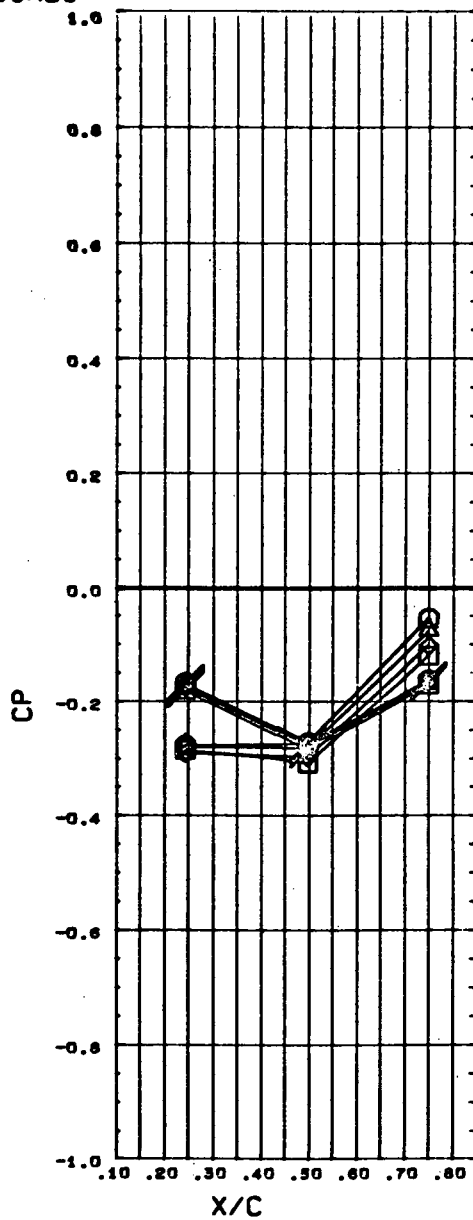
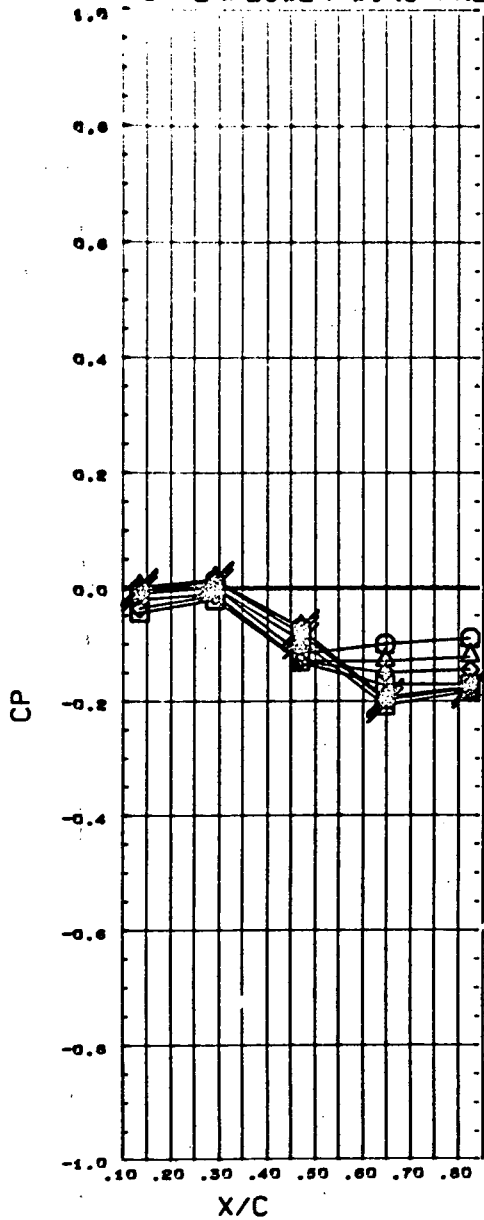


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	0.601
△	4.000	0.360	
◇	6.000	0.645	

PARAMETRIC VALUES
ALPHA 0.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67013) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67013) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

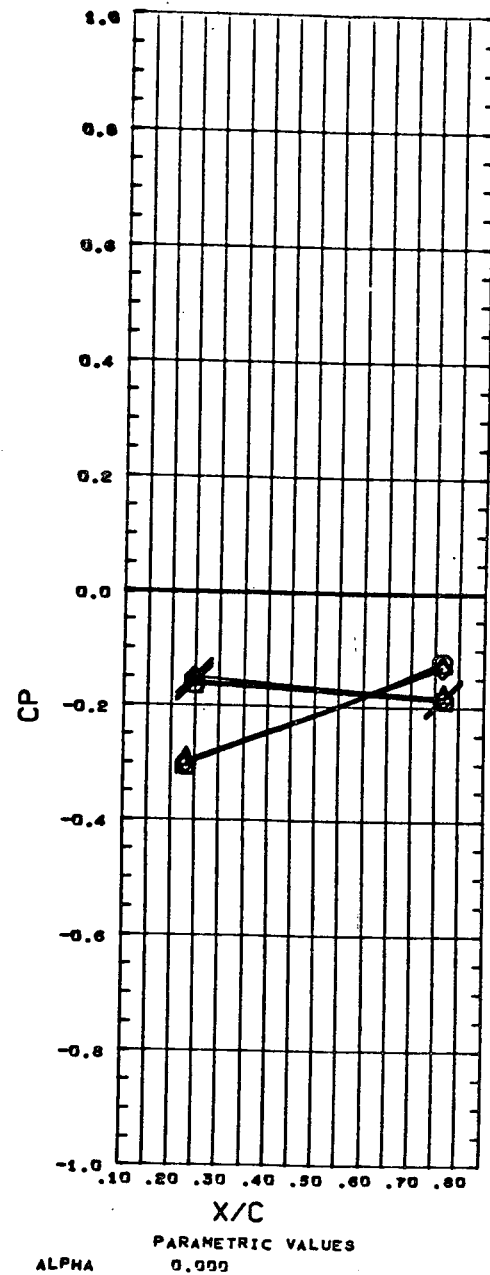
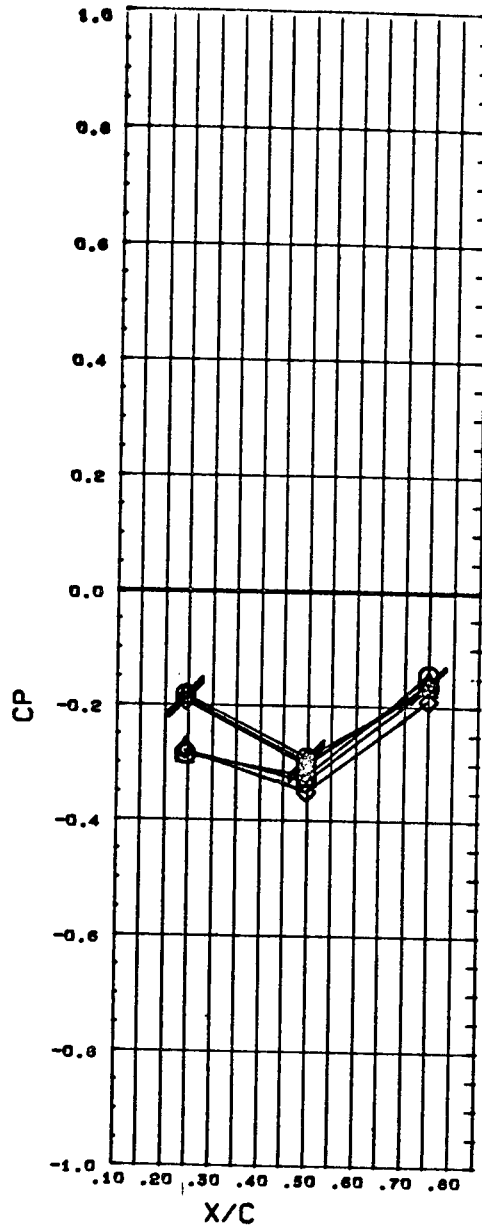
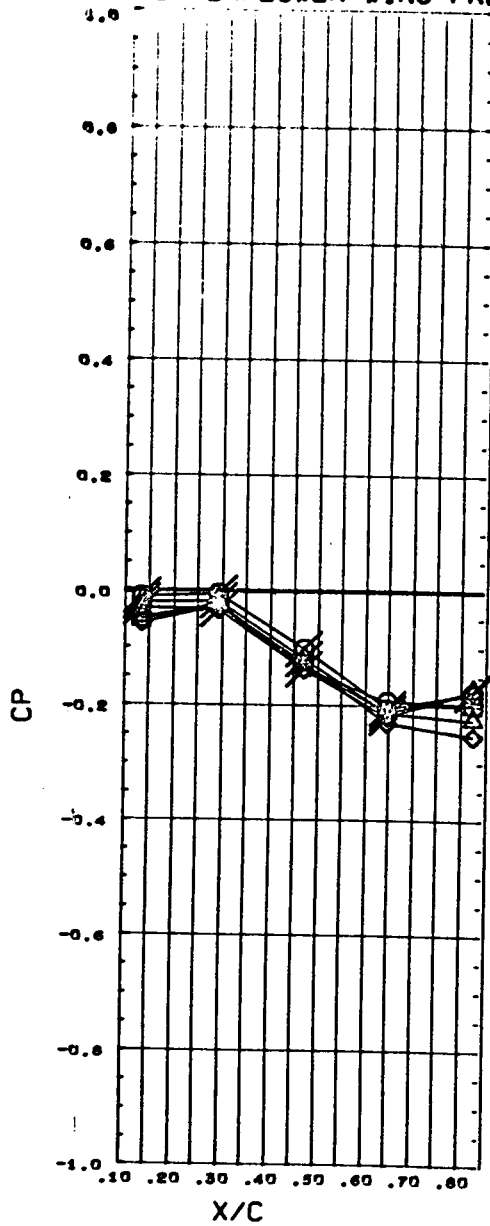


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	0.800
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (867013) OPEN MSFC TWT 540 LAUNCH PRESSURE, O1 (UPPER WING)
 (C67013) FLAGGED MSFC TWT 540 LAUNCH PRESSURES O1 (LOWER WING)

ALPHA PARAMETRIC VALUES
 0.000

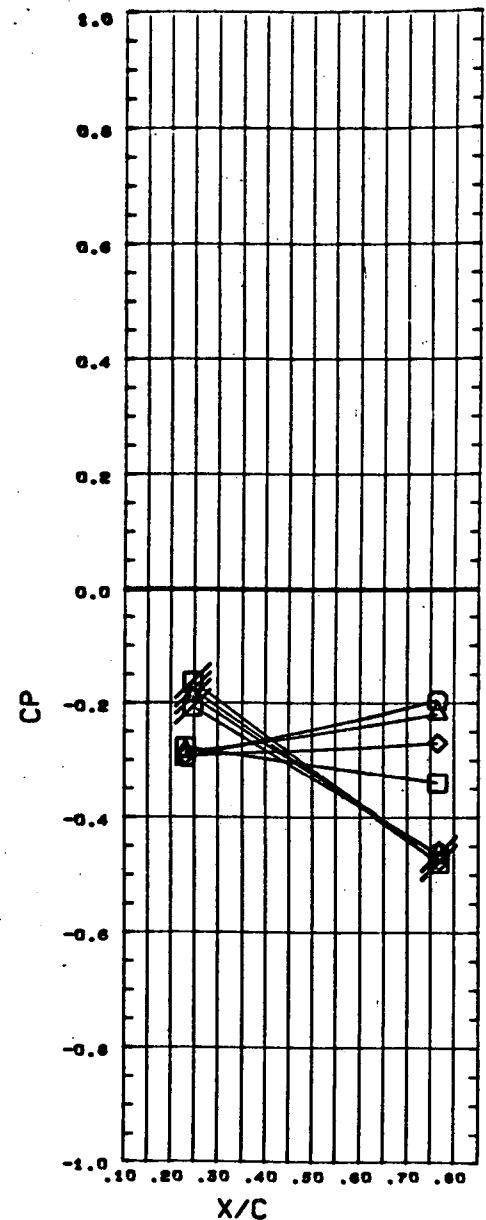
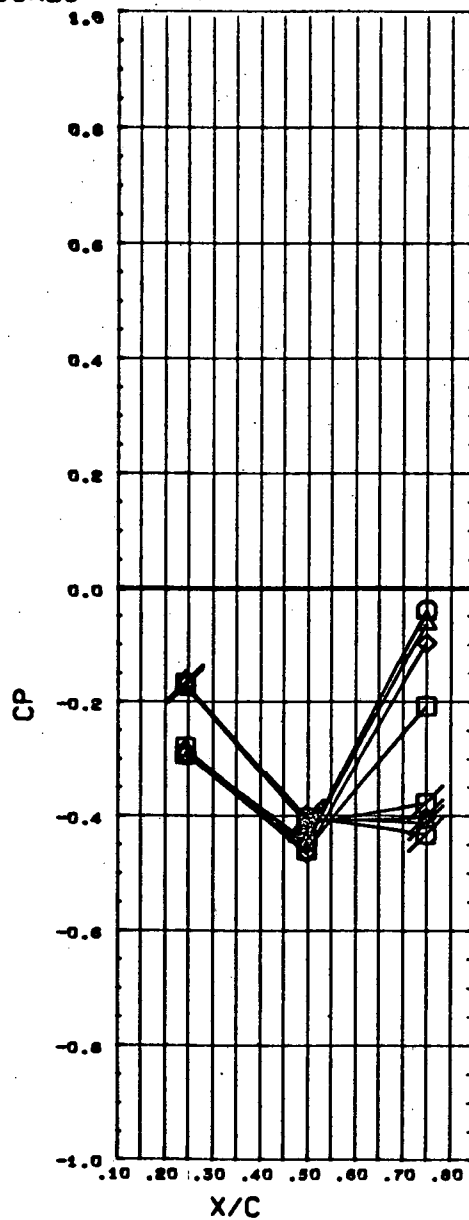
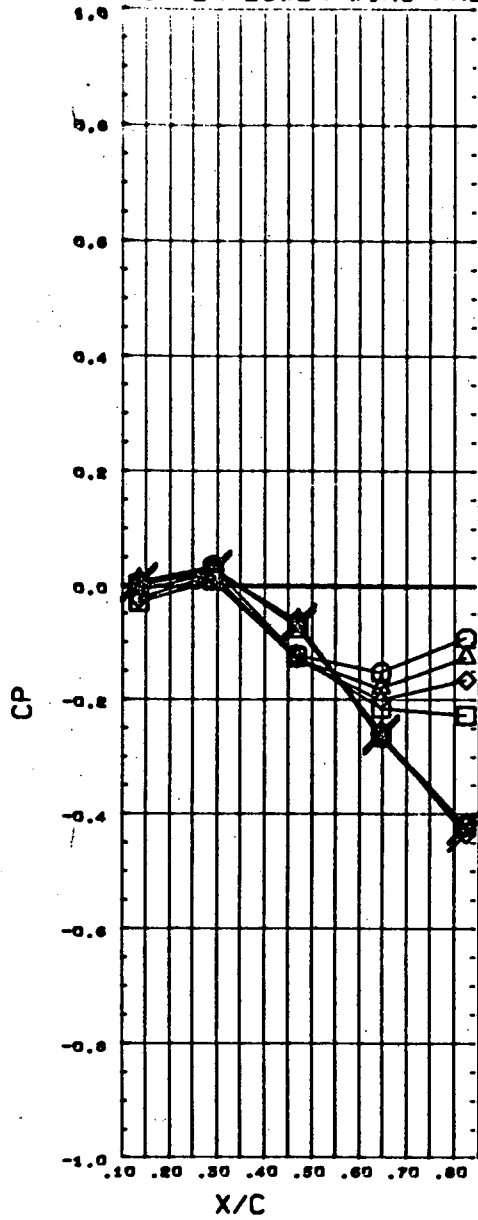
01 UPPER/LOWER WING PRESSURES



SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	0.800
△	4.000	0.560	
◇	6.000	0.845	

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67913)	OPEN	MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67913)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

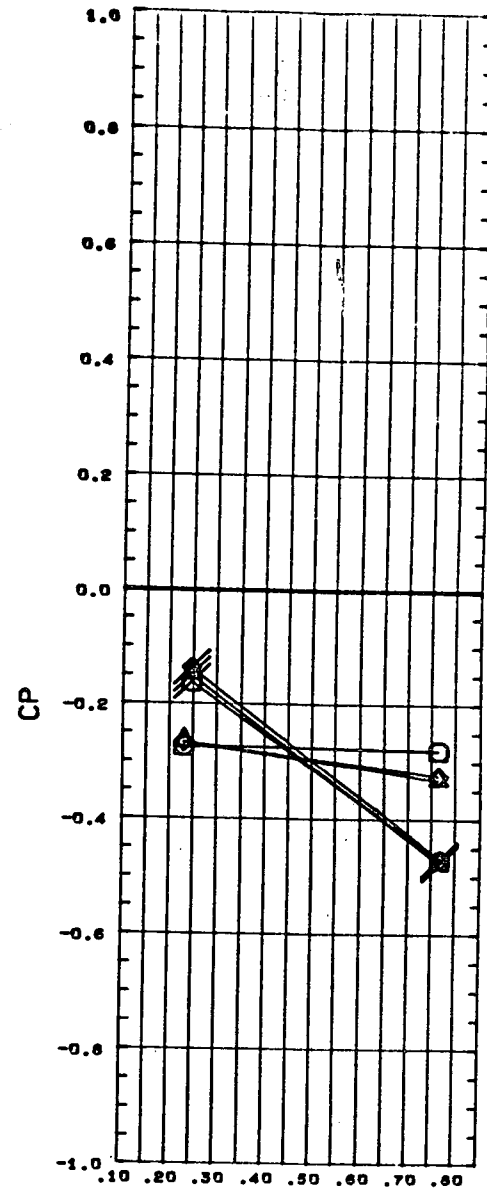
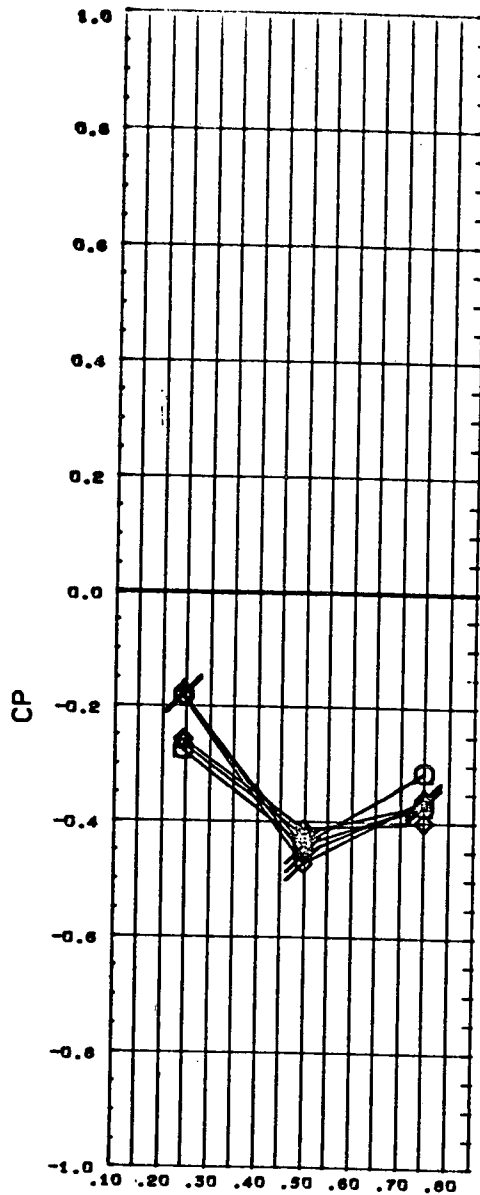
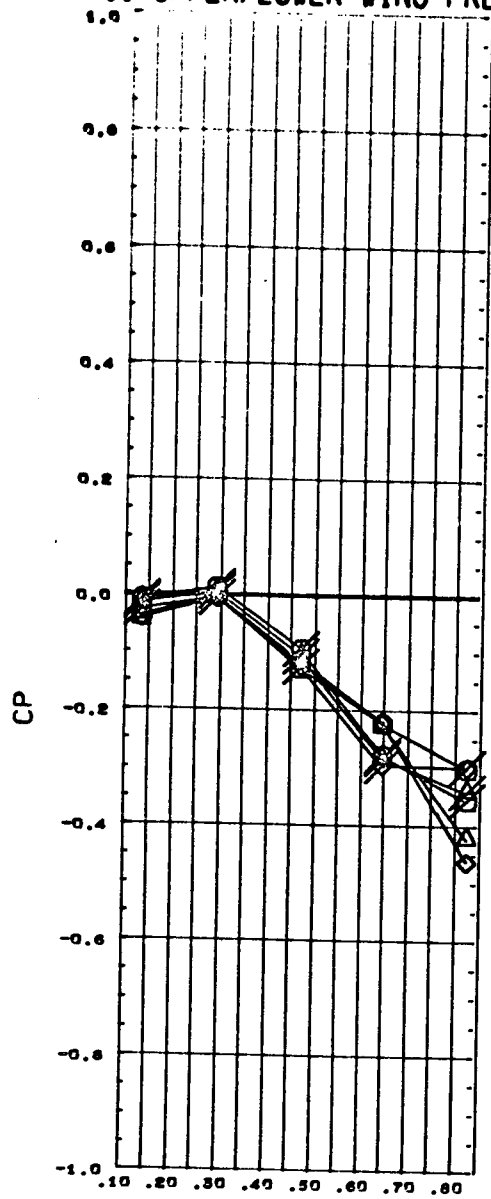


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	0.907
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(B67013) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67013) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

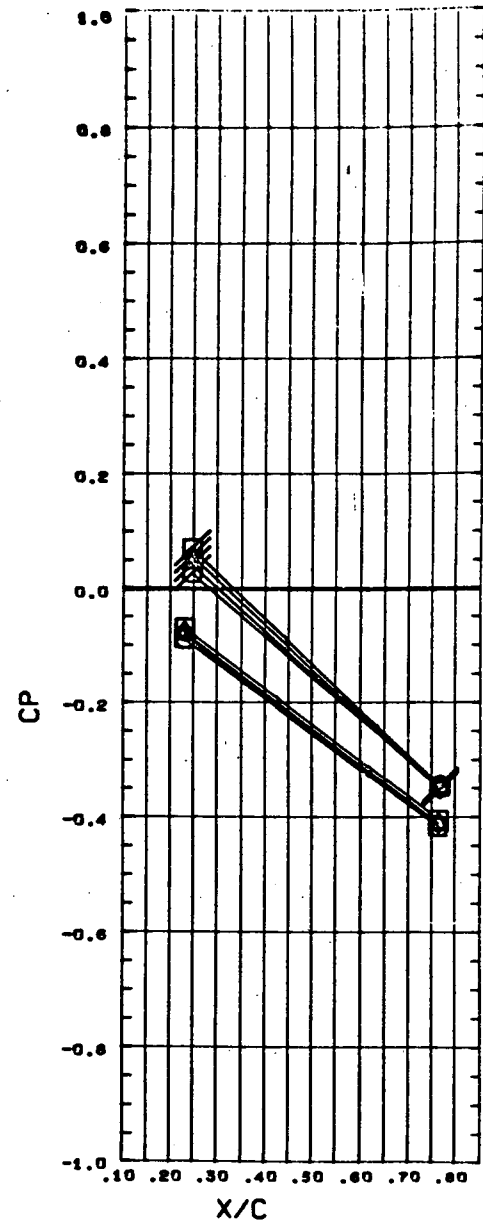
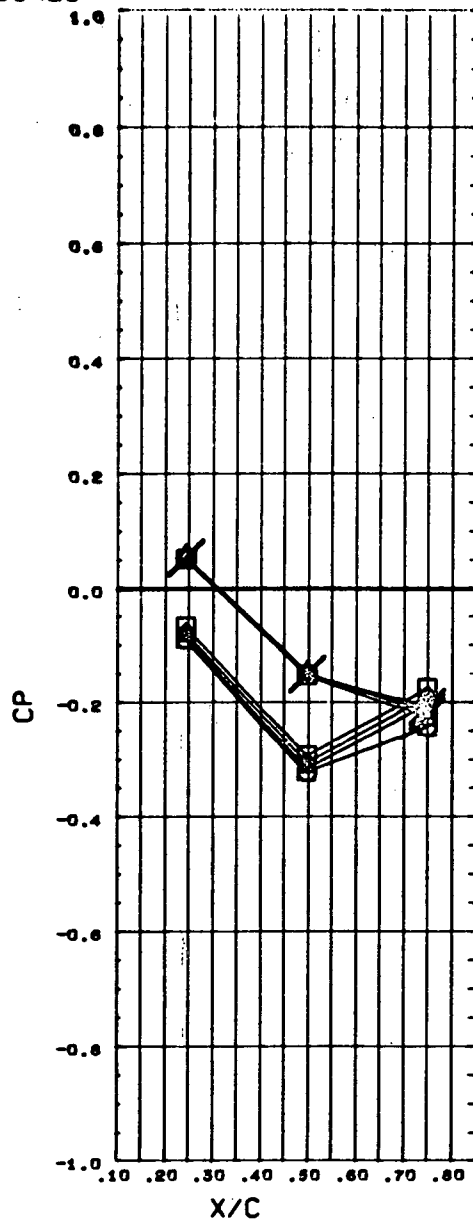
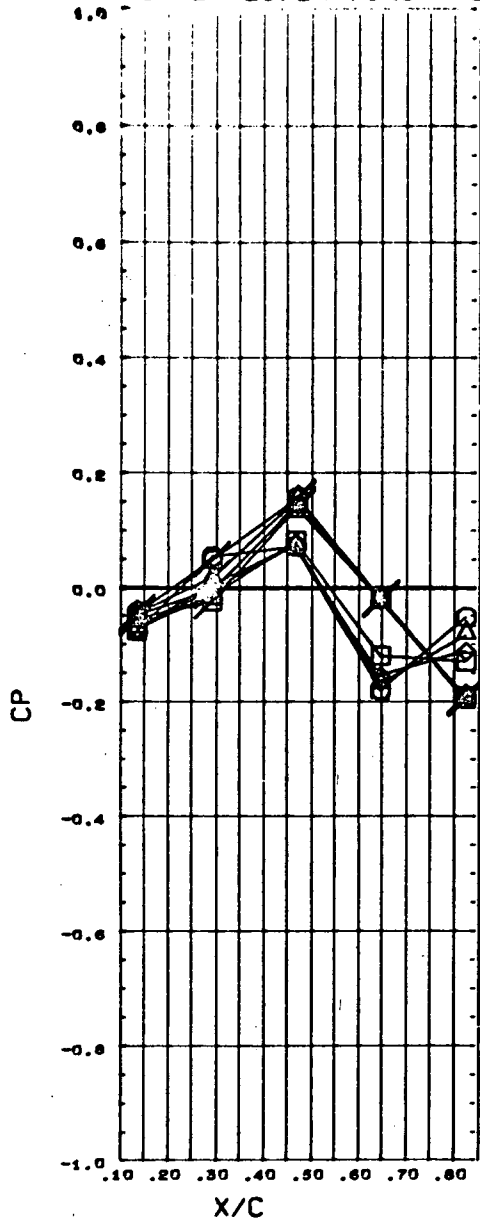


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	0.907
△	4.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(867013) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67013) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

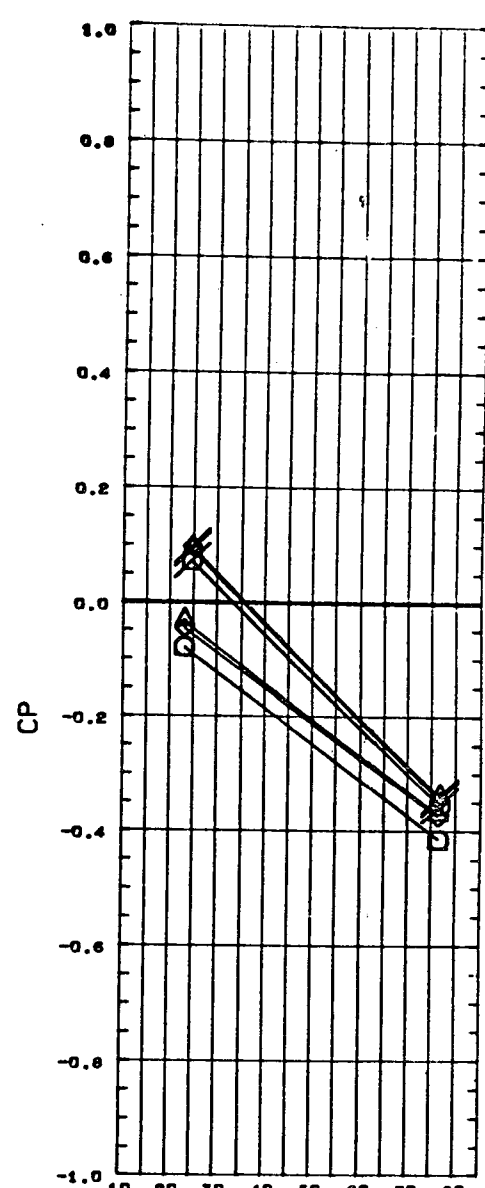
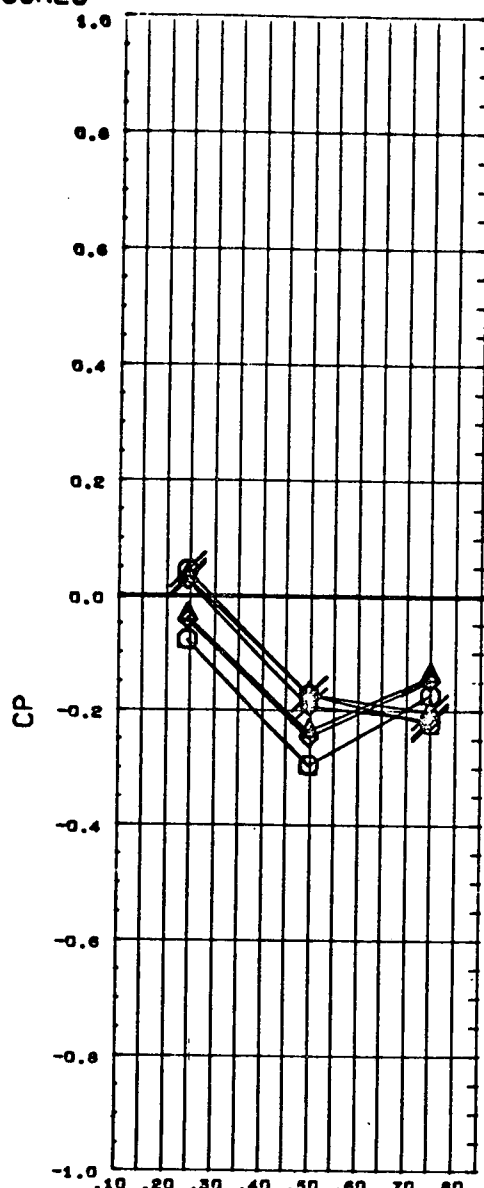
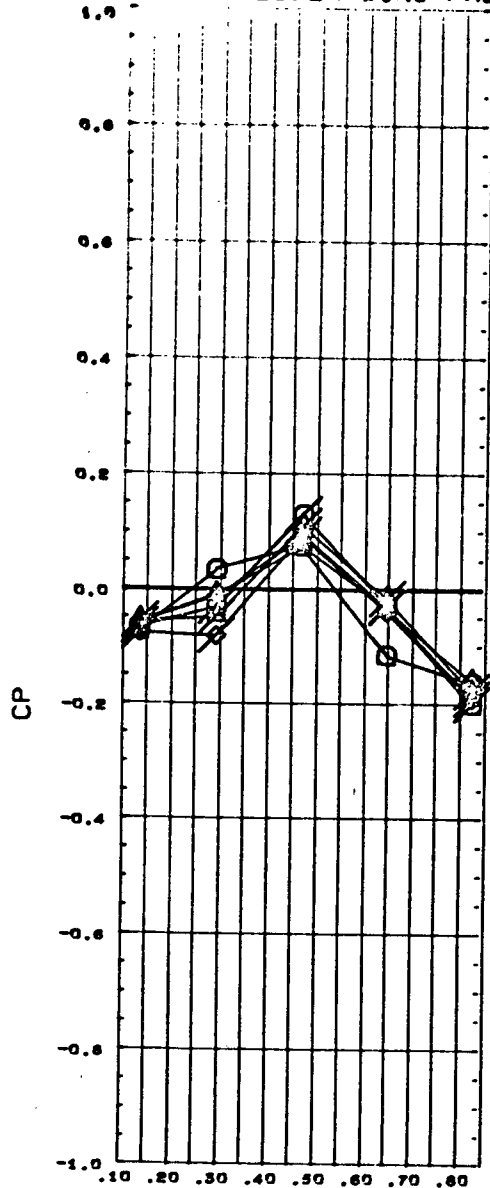


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	1.094
△	4.000	0.560	
◇	2.000	0.845	
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67013)	OPEN	MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67013)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

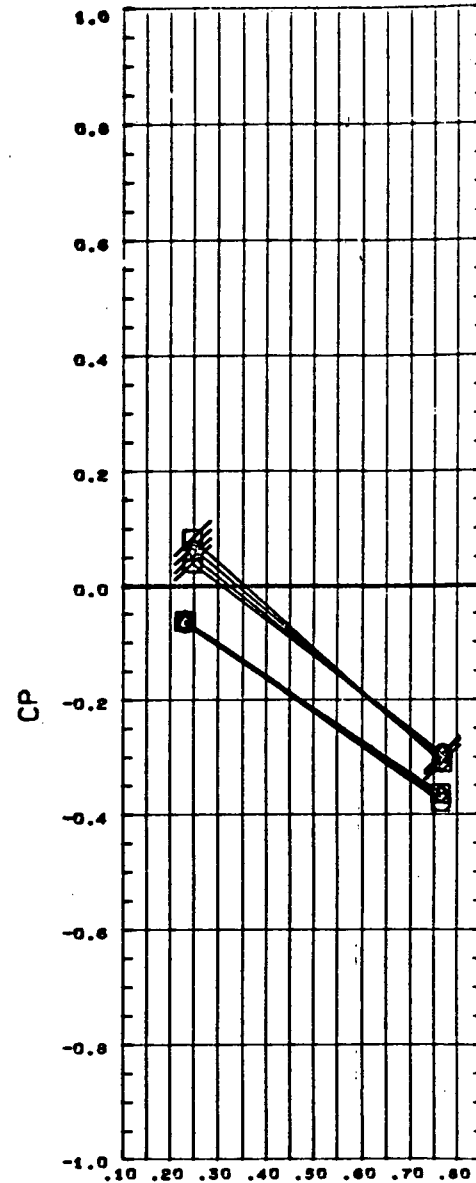
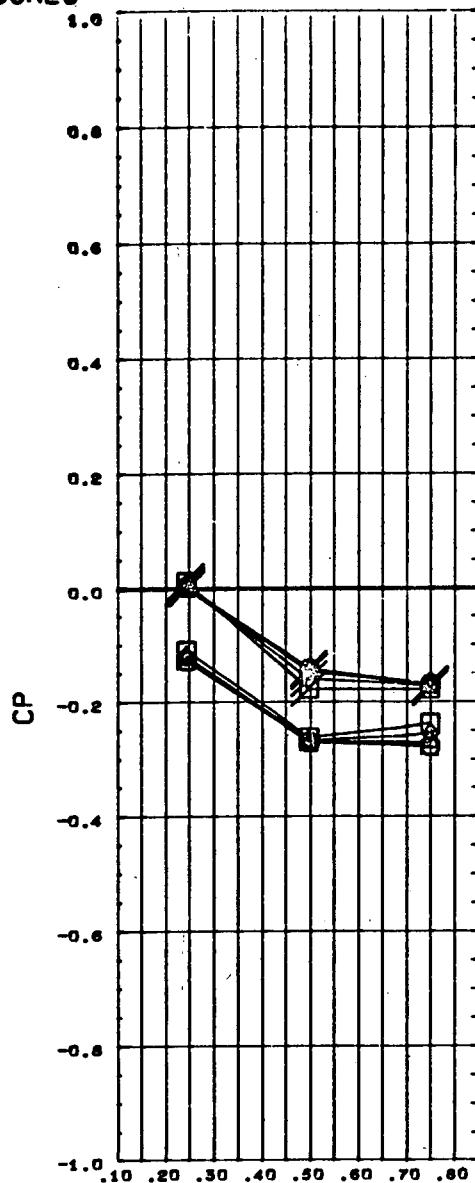
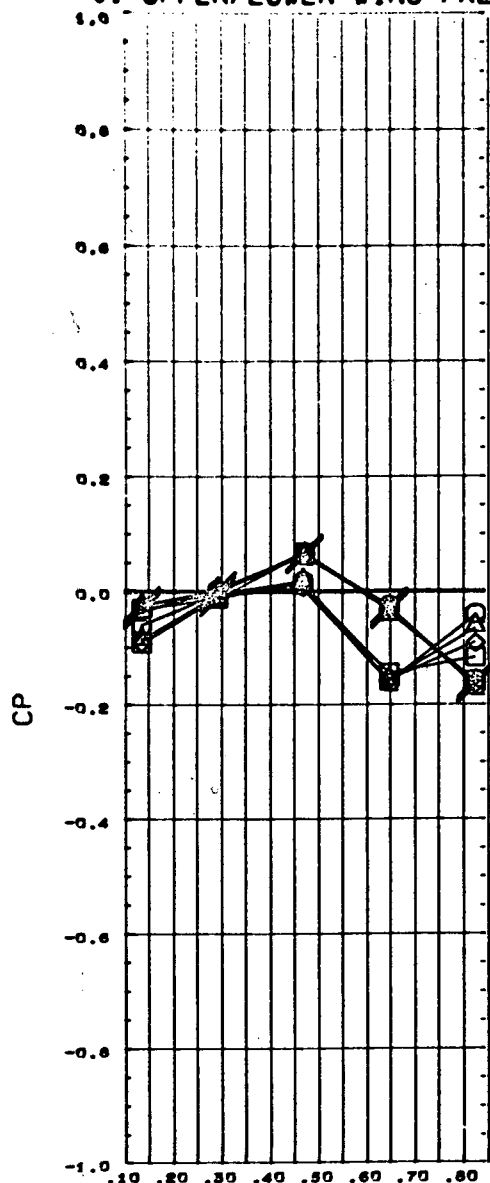


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	1.094
△	4.000	0.560	
◇	6.000	0.845	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67013) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
 (C67013) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

PARAMETRIC VALUES
 ALPHA 0.000

01 UPPER/LOWER WING PRESSURES

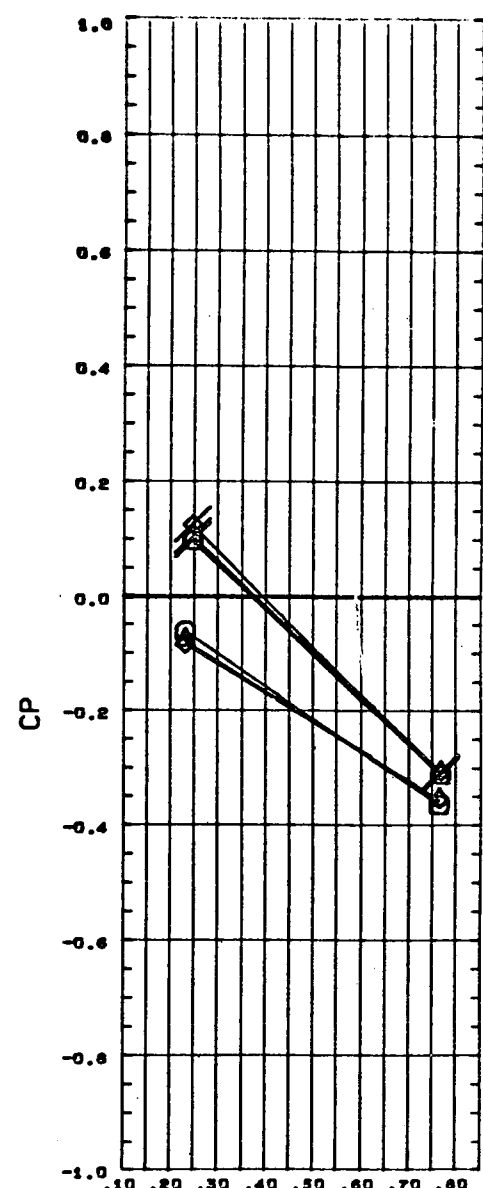
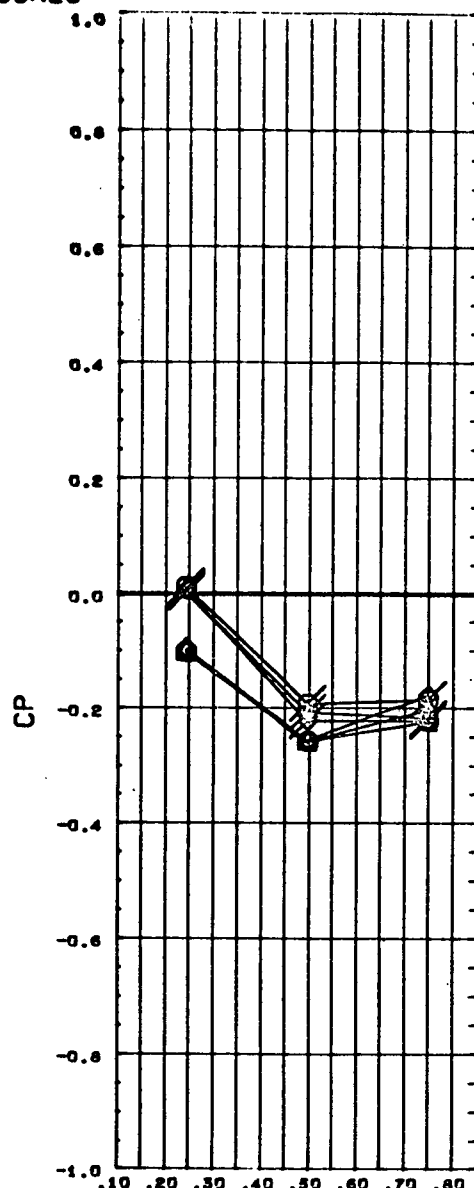
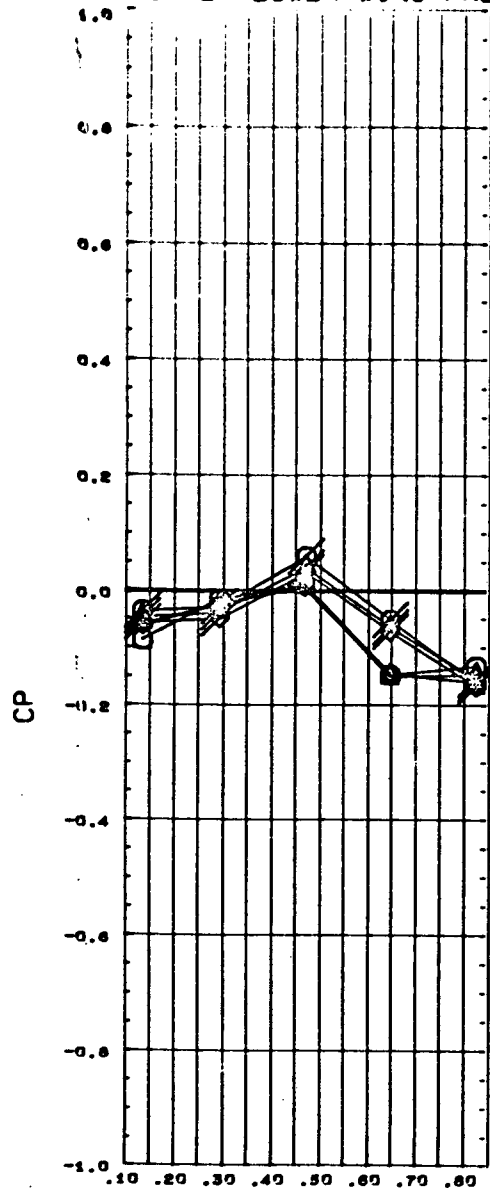


SYMBOL	BETA	Y/B	MACH
□	6.000	0.290	1.199
◇	4.000	0.560	
△	2.000	0.845	
○	0.000		

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67013) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
 (C67013) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

ALPHA
 PARAMETRIC VALUES
 0.000

01 UPPER/LOWER WING PRESSURES

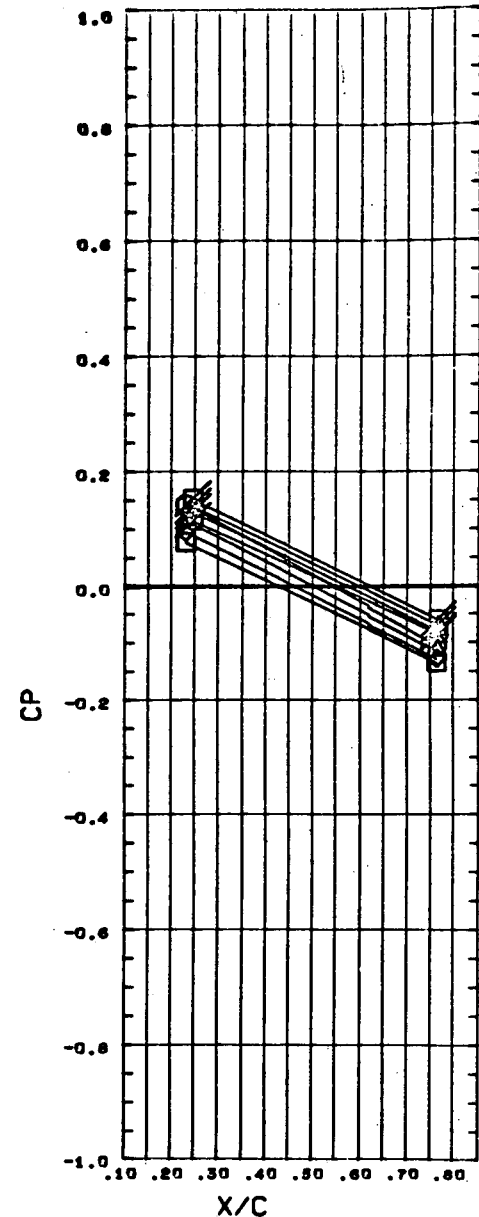
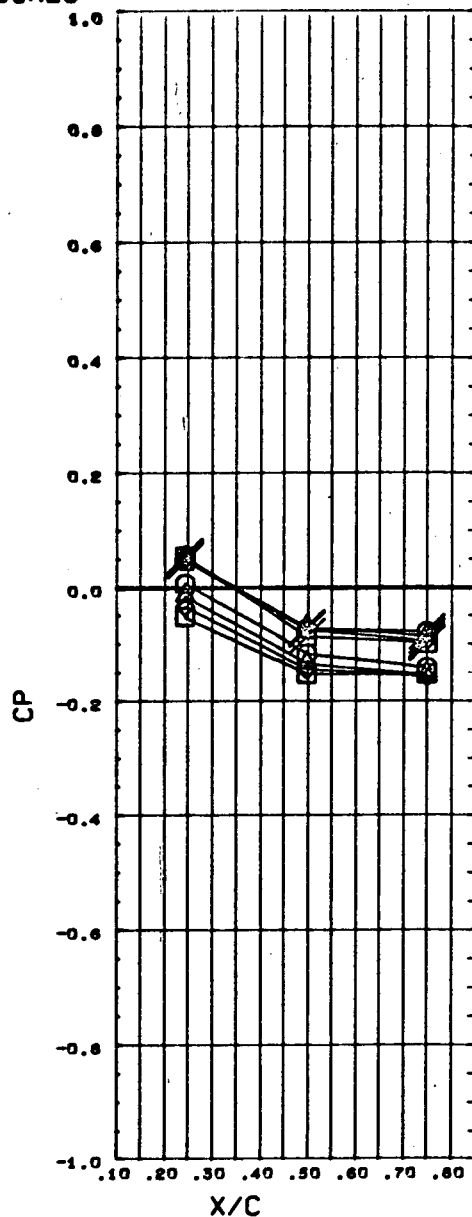
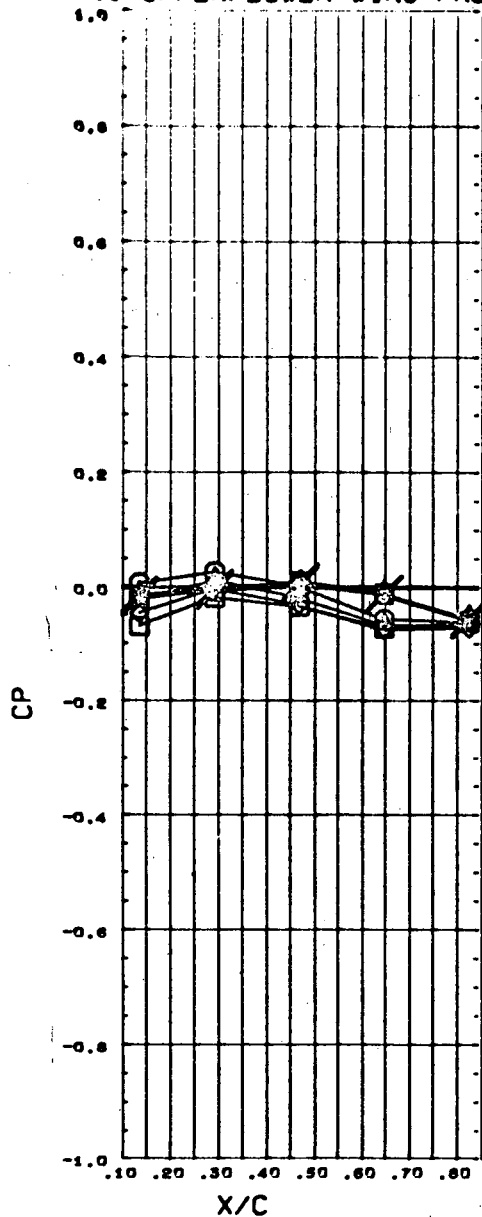


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	1.199
△	4.000	0.560	
◇	6.000	0.845	

ALPHA
PARAMETRIC VALUES
0.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67013)	OPEN	MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67013)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

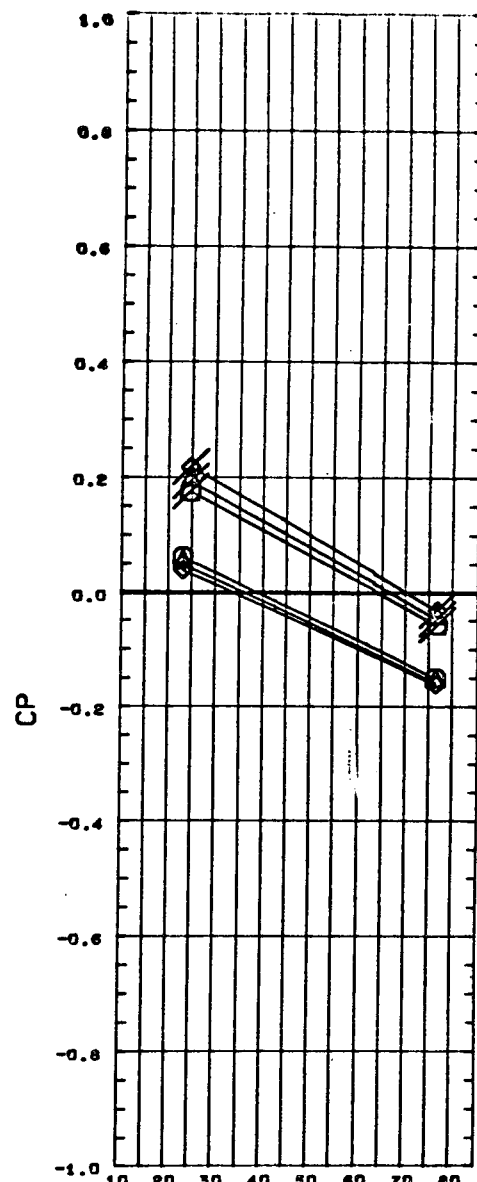
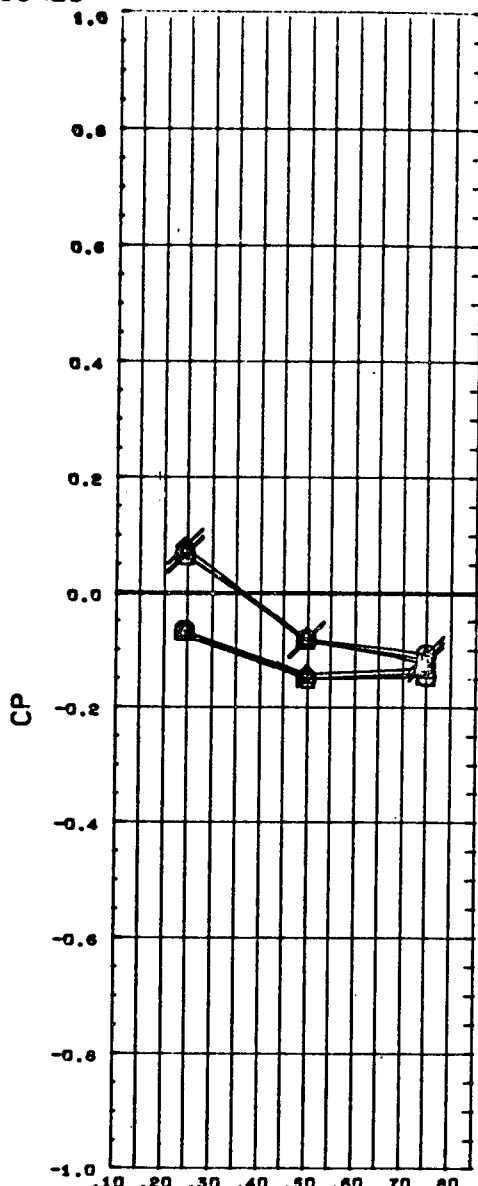
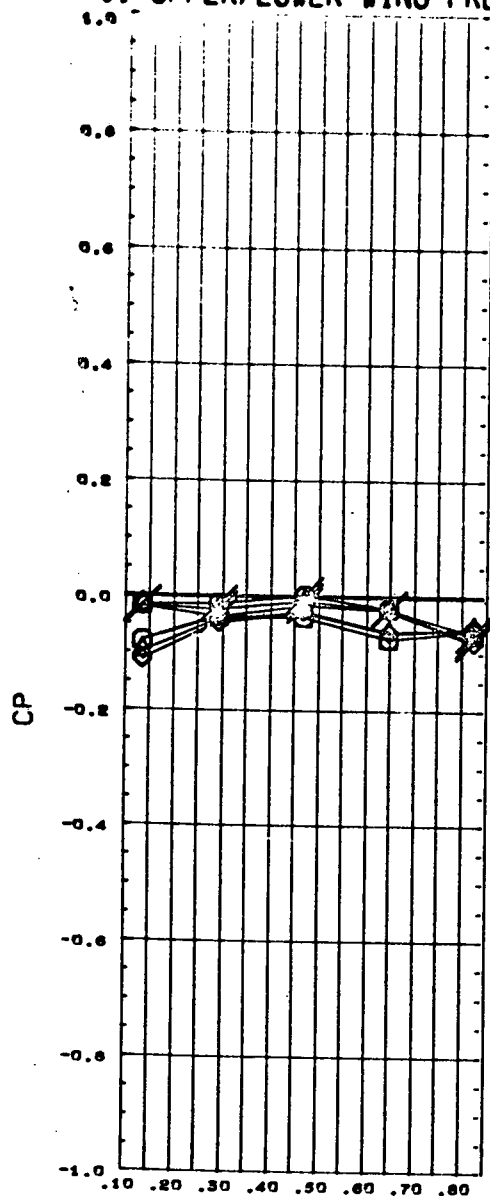


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	1.958
◇	4.000	0.560	
△	2.000	0.845	
□	0.000		

PARAMETRIC VALUES
ALPHA 0.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(867013) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67013) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

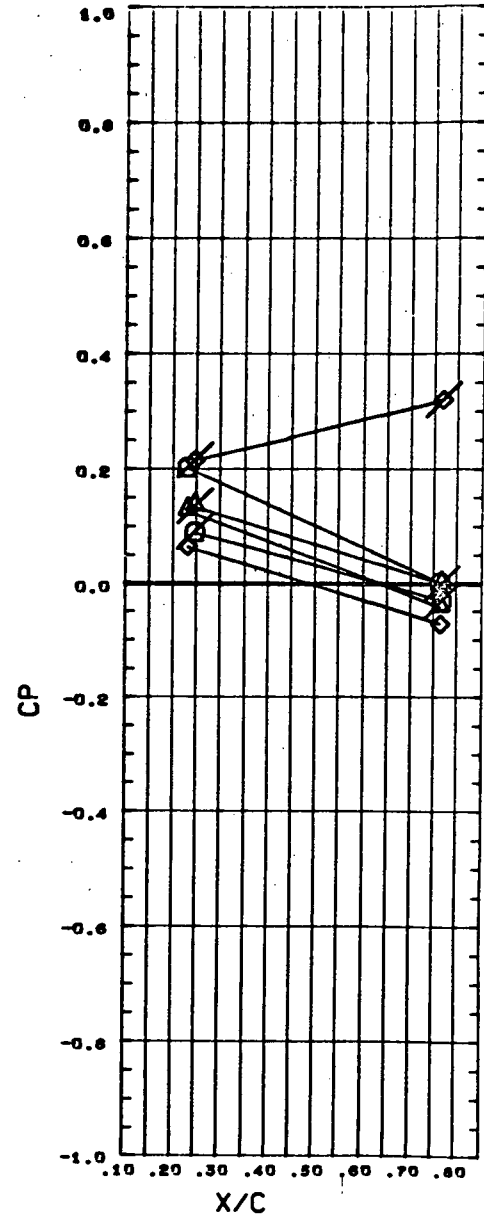
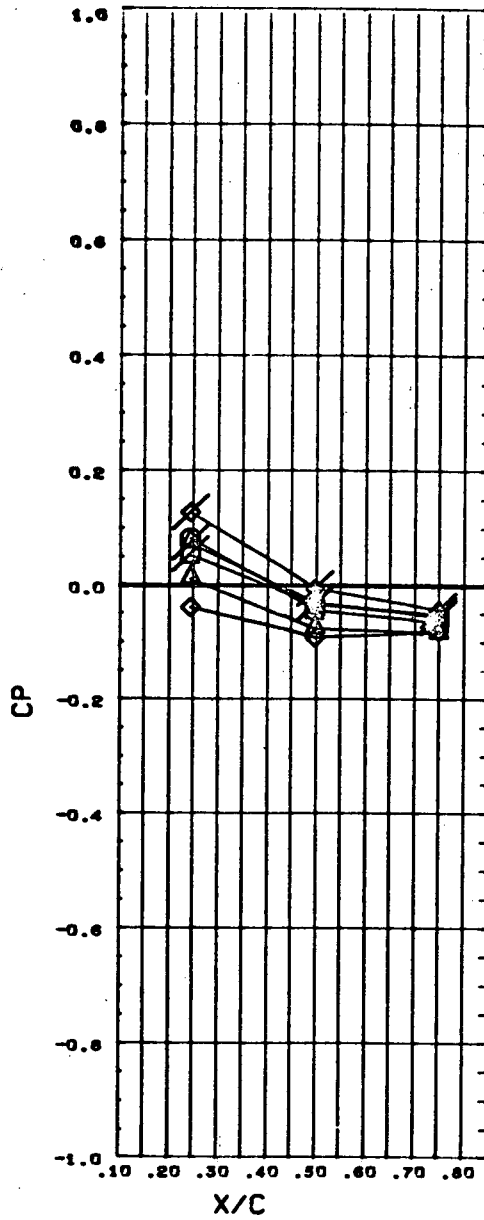
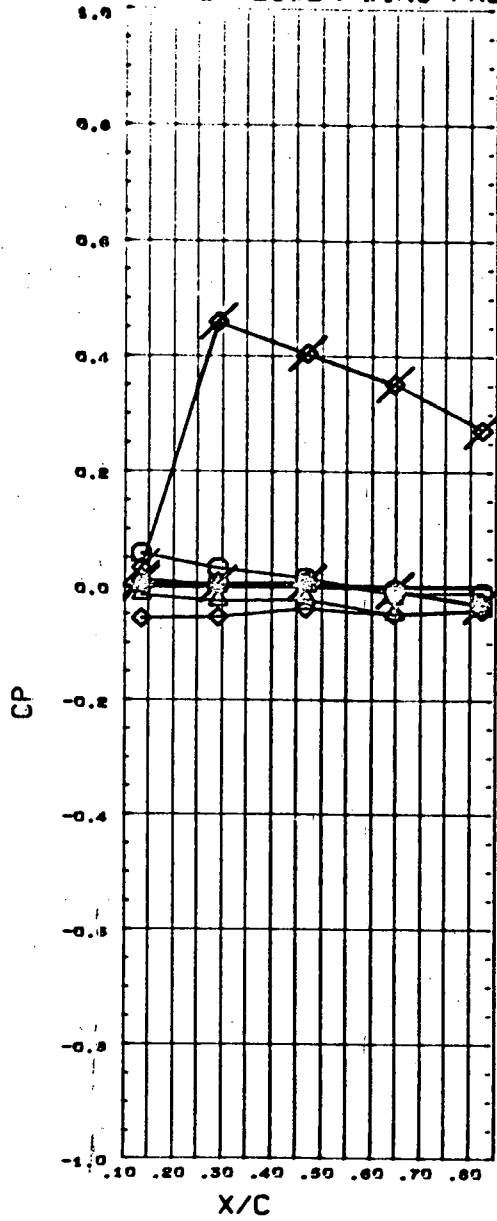


SYMBOL	BETA	Y/B	MACH
○	2.000	0.290	1.958
△	4.000	0.560	
◇	6.000	0.845	

ALPHA
PARAMETRIC VALUES
0.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67013)	OPEN	MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67013)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

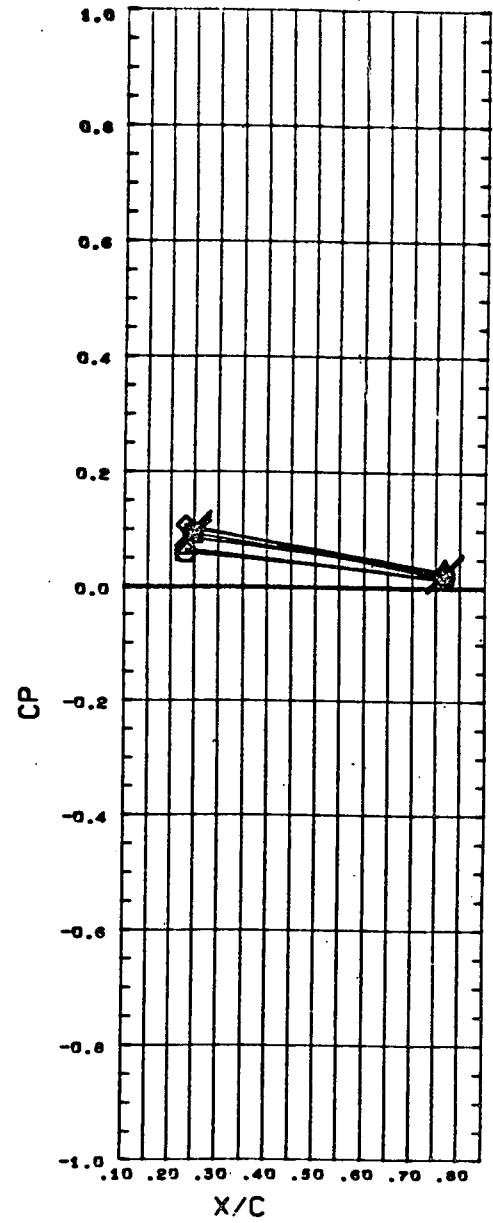
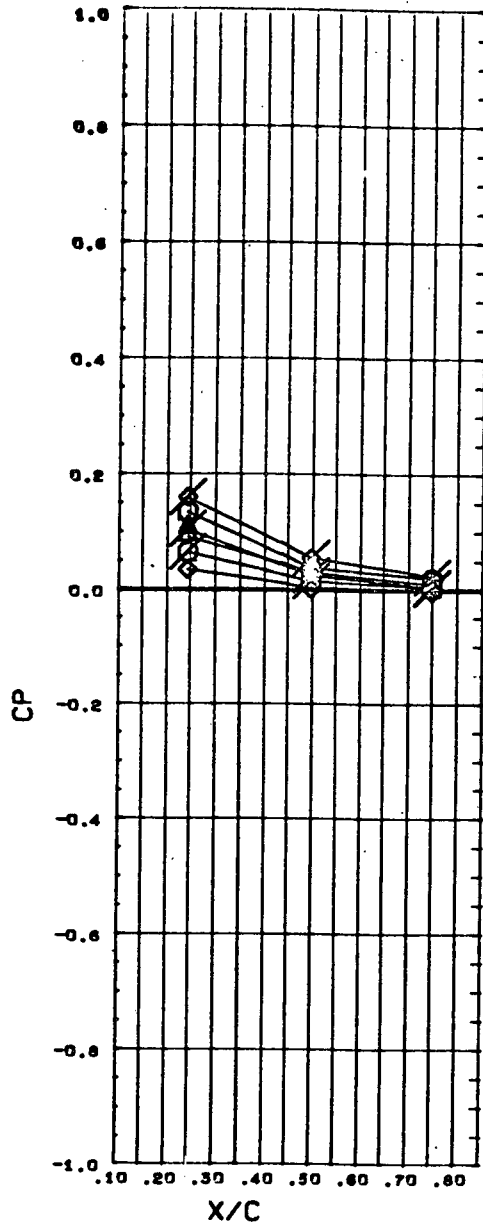
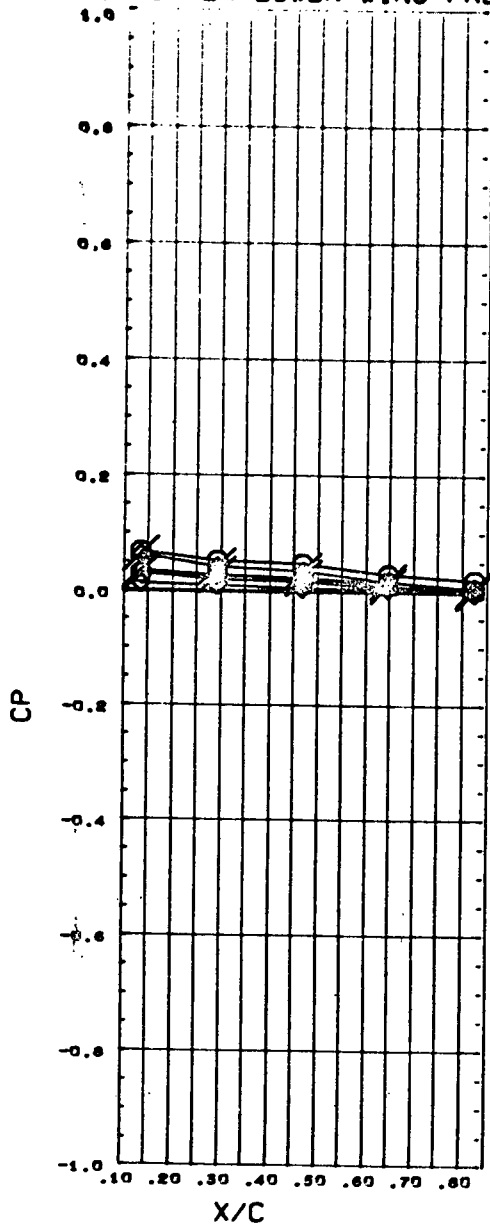


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	2.740
△	0.000	0.560	
◇	6.000	0.845	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67014) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
 (C67014) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

ALPHA PARAMETRIC VALUES
 0.000

01 UPPER/LOWER WING PRESSURES

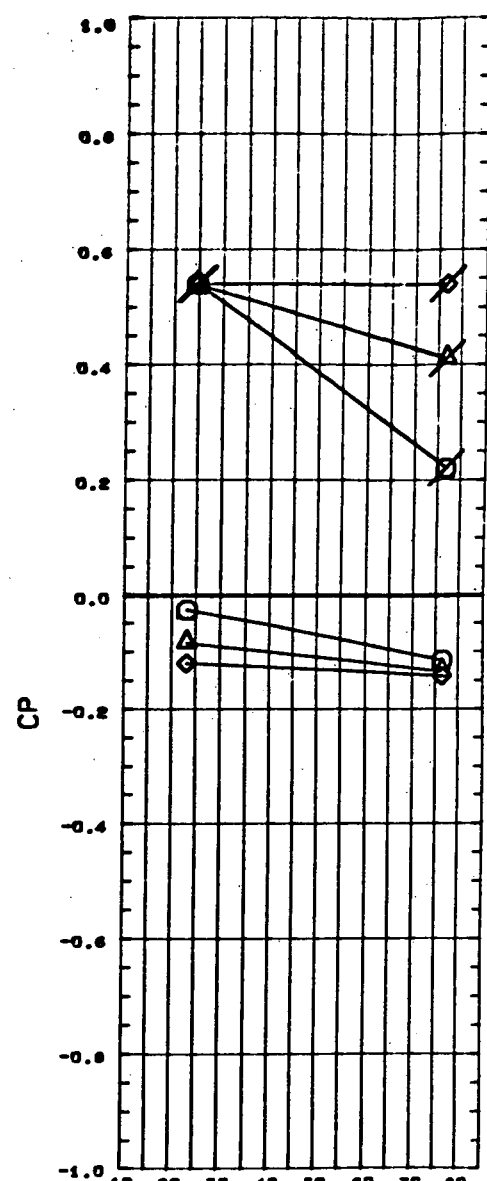
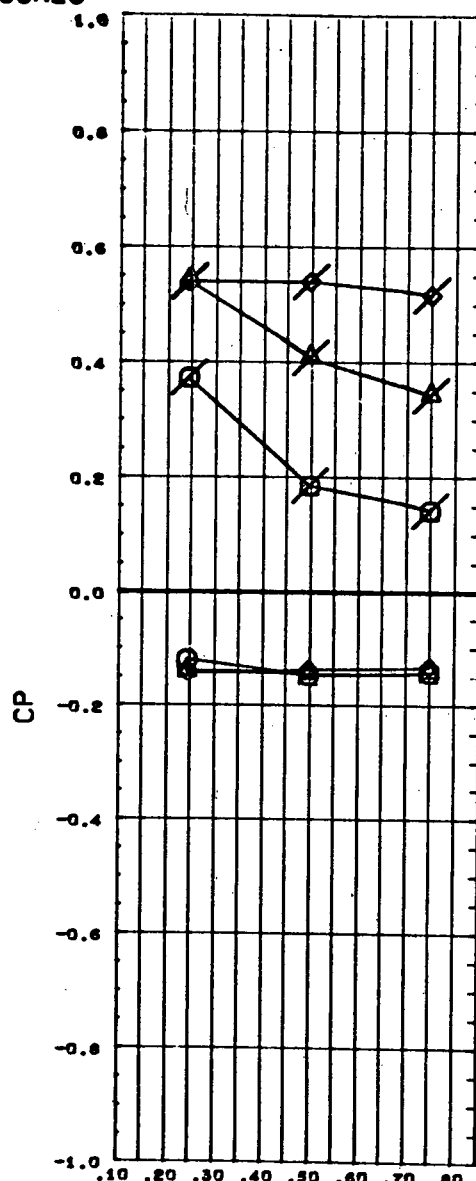
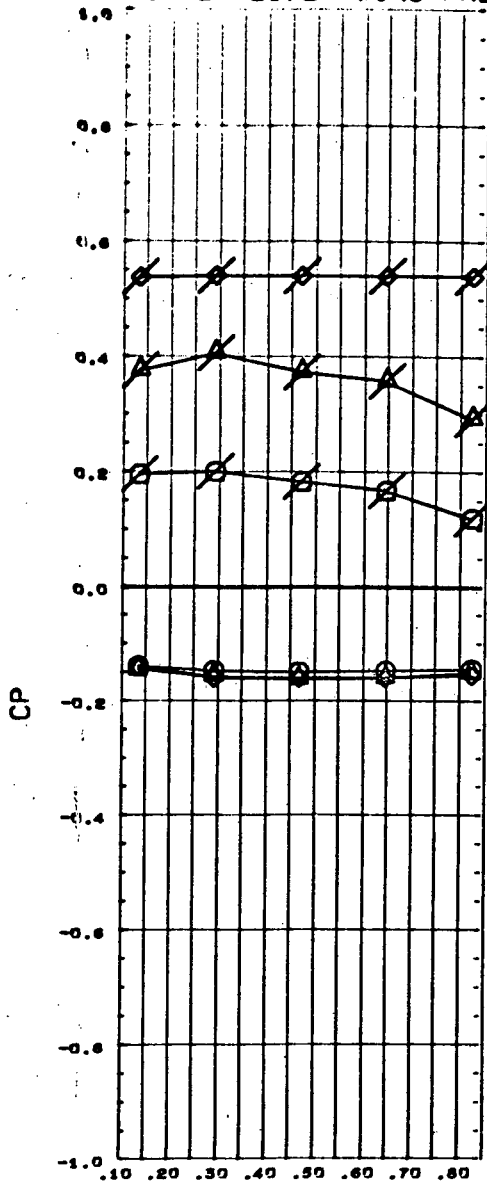


SYMBOL	BETA	Y/B	MACH
○	6.000	0.290	4.960
△	0.000	0.560	
◇	6.000	0.845	

PARAMETRIC VALUES
ALPHA 0.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(B67014)	OPEN	MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
(C67014)	FLAGGED	MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

01 UPPER/LOWER WING PRESSURES

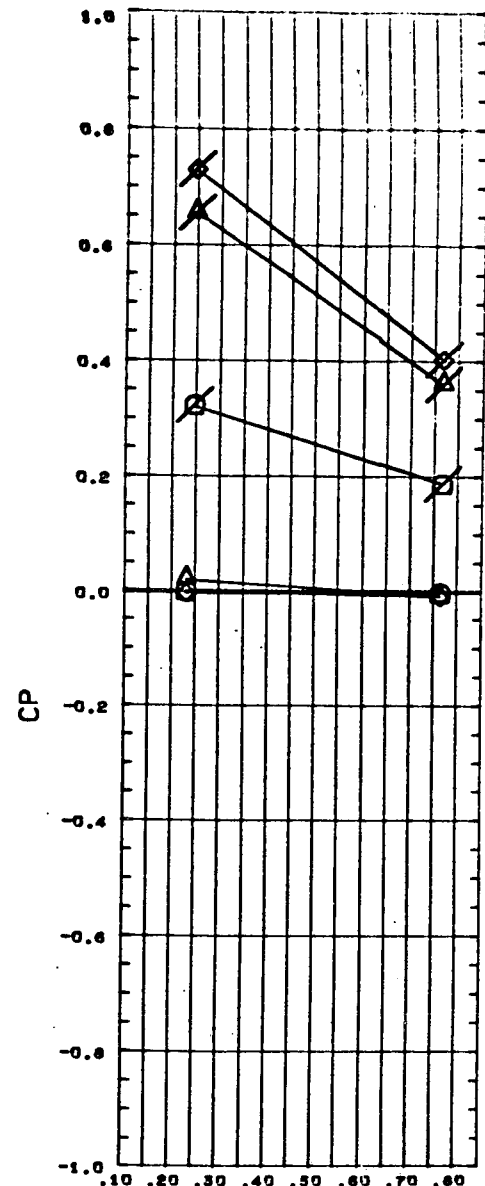
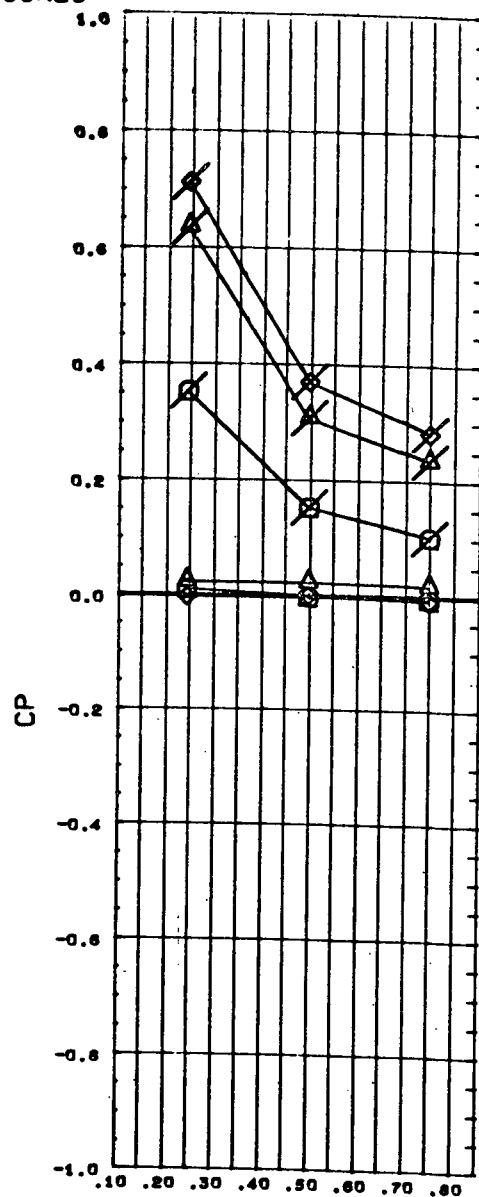
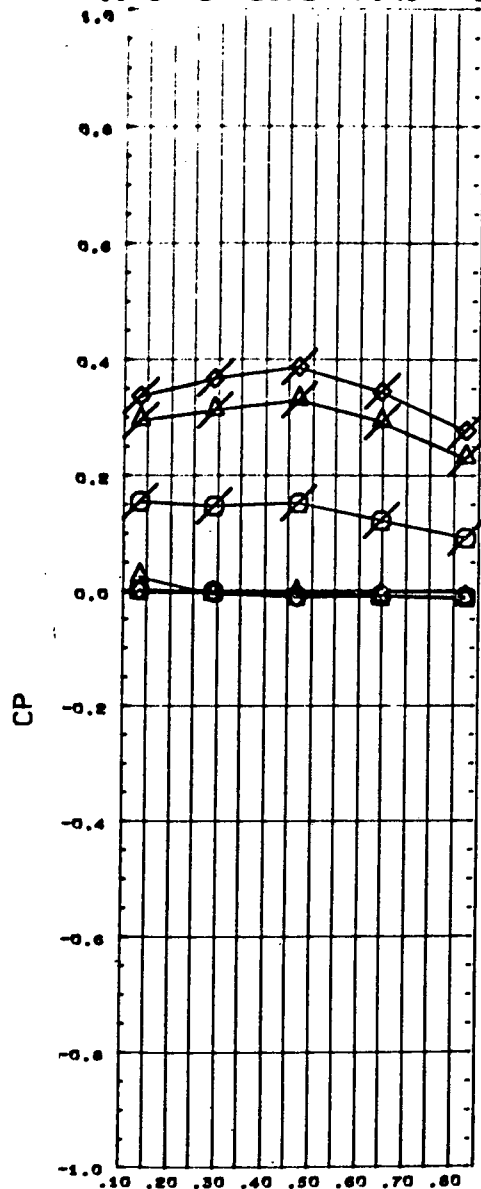


SYMBOL	ALPHA	Y/B	MACH
○	12.000	0.290	2.740
△	20.000	0.560	
◇	26.000	0.845	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67015) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
 (C67015) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

BETA
 PARAMETRIC VALUES
 0.000

01 UPPER/LOWER WING PRESSURES



SYMBOL	ALPHA	Y/B	MACH
○	12.000	0.290	4.960
△	20.000	0.560	
◇	22.000	0.845	

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B67016) OPEN MSFC TWT 540 LAUNCH PRESSURES 01 (UPPER WING)
 (C67016) FLAGGED MSFC TWT 540 LAUNCH PRESSURES 01 (LOWER WING)

BETA
 PARAMETRIC VALUES
 0.000